



DAK
INDUSTRIES
INCORPORATED

Early Fall 85

**Williston
Audio Labs**
Not for Resale

Mind Manipulator

Once you've got frequency response, signal to noise ratio and dynamic range whipped, the difference between the sound of your home stereo and the excitement of 'being there live' is all in your head.

By Drew Kaplan

You're no dummy. Close your eyes. Have someone make noises in different parts of the room you're in. You'll have almost no problem determining exactly where each sound was made.

The reason you can locate the sound so easily, is that your brain interprets the incredibly small micro-second differences between the time the sound reaches your right and left ears. Your smart brain continually 'tests' the sound.

TOO SMART

So, when we all lived in the jungle and relied on sound placement to stay alive, we survived. When we heard lions to the left or tigers to the right, we knew which direction to run.

But when you listen to your stereo system, your brain keeps doing the job it was intended to do. It accurately 'locates' your two speakers.

Unfortunately, too much sound is pinpointed and localized by your brain. Plus, many of the brain's natural location cues are lost in the recording process.

LOST IN THE CROWD

With so many sounds coming from the two relatively small distinct speaker points, the sound can be muddy, unrealistic and lack live presence.

In a live concert, you are exposed to a wide field of sound, with each instrument coming from a different location.

While stereo does 'spread' the sound, it lacks the 3 dimensional quality that it would have in a field or at a concert.

ILLUSION

Now from BSR comes a way to manipulate your brain into recreating the perception of a wide 'soundfield'.

Imagine sitting in front of a stage with an orchestra spread out before you. Now imagine the widespread realistic sound you're about to enjoy in your own home.

BSR, utilizing the latest solid state components, the latest hearing research and some innovative designing, is about to paint a panorama of sound throughout your listening area.

There's no change in frequency response. There's no change in distortion. But, wait till you hear the improvement in width, height and depth of your music.

HERE'S HOW IT WORKS

Normally you hear sound coming directly from your speakers, with some sounds like a vocalist seeming to come from the center.

The BSR Spatial Enhancer compares the signal going to each channel thousands of times each second. It then enhances only the elements of separation.

By a distortion free process, it simultaneously amplifies all side sounds. This makes these sounds appear to come from farther to each side.

The middle will sound richer. And as each part of your music diverges from center, it will be drawn more to the sides as well as forward and back, creating a vastly wider and deeper field of sound.

In addition to losing track of where your speakers are located, you will perceive cleaner, more separated sound. It will sound incredibly richer and drama-



tically more distinct, because instruments will be next to each other rather than on top of each other.

There's an LED meter that shows the amount of separation between the channels. The greater the number of LEDs lit, the more the spatial enhancement. There is NO ENHANCEMENT for monaural signals because there are no left and right cues for the Spatial Enhancer to enhance.

HURT FEELINGS

I just received a letter from a very happy customer. Happy letters don't usually depress me, but look at what he said about an earlier model of this unit.

"...during the speaking (monaural) part of the record, the Enhancer's LEDs stayed in the center, i.e., no enhancement. When the record got to the music portion, the enhancer did its thing with the reflective sound and enhanced the 'hell' out of it as it was supposed to".

"What I'm saying Drew, is that this Enhancer is absolutely no phony...it enables one to recreate in your own mind, the real recording situation. It is a very positive addition to any stereo."

This is so remarkable to me that I had to write and tell you about it."

Well, the Enhancer is loved, but I'm hurt that he's so surprised that it does what I said it would do. I spend a great deal of time checking out each device, and if they don't do what I say, send them back, and drop me a line telling me where you think I went wrong!

SIMPLE INSTALLATION

It simply hooks into your tape monitor loop. There are tape in and out jacks and a monitor button so your system's capabilities will remain unchanged.

And, wait till you experience the enhanced sound in your car or with a por-

table stereo. Just a push of the Bypass Button lets you record Enhanced or Non-enhanced sound on your cassettes.

The sound will change dramatically as you rotate the continuously variable enhancement control. It is 8½" wide, 2½" high and 7¼" deep. It's backed by BSR's standard 1 year limited warranty.

TRY PSYCHOACOUSTIC IMAGERY RISK FREE

Try the BSR Spatial Enhancer complete with tape monitor/recording loop in your system. Let distinct instruments come from a broad range of angles.

And, don't forget to take enhanced cassettes with you in your car or with your portables.

Your whole system will seem larger. It really adds an incredible lifelike presence to your stereo system's sound.

If you aren't 100% satisfied, simply return it to DAK in its original box within 30 days for a courteous refund.

To order your BSR Spatial Enhancer risk free with your credit card, call toll free or send your check for DAK's breakthrough introductory price of just \$69 plus \$5 P&H. Order No. 4301. CA res add tax.

Now your own two speakers can sound like a whole concert stage. And if you like the enhancement, please don't be too surprised. If you don't think it does everything I've said and more, make use of DAK's 30 day risk free trial protection.



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CB47

8200 REMMET AVE., CANOGA PARK, CA 91304

Dear Mr. Vernon,

My name is Drew, and I've probably got the neatest job in the whole world.

I'm writing to you because, from the list I found your name on, I think that you may be a lot like me!

I'm sort of the ultimate electronic gadget freak. Plus I like to be ahead of the crowd. That's why my job is so neat. I get to play with the newest electronic gadgets, usually even before they hit the market.

Virtually everything in my home is remote controlled. And I'm testing computers, printers, tape decks, equalizers and lots of other electronic devices in almost every room in my home. (Much to the chagrin of my wife.)

My catalog will take you on a journey through the never never land of new electronic technology. I personally test every product in my very own home, I take the pictures, and I write every word in this book.

But don't worry, DAK is a very substantial company. And, your purchases are well protected by our double risk free policy. (See our order form.)

DAK has over 840,000 customers, and we've been offering BIG DISCOUNTS on electronics for over 15 years. We have a large friendly staff to take care of all your electronic needs.

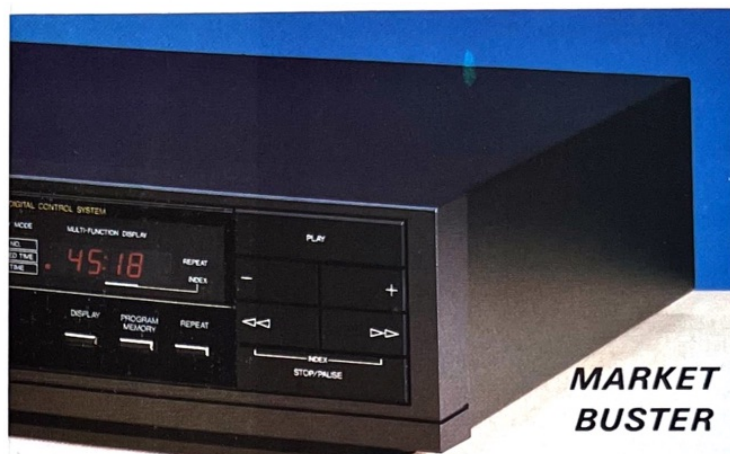
But, I choose the products. And, this catalog is all mine. Since I can't actually sit down and talk to you, Mr. Vernon, I write about both the good and bad parts of each product as if we were talking together.

It's not a bad life that I have, playing with each new electronic breakthrough product. The hard part is selecting only the best products that will make our lives most exciting.

Sincerely,
DAK INDUSTRIES, INC.

Drew

Drew Alan Kaplan
President



**MARKET
BUSTER**

d Blaze

Lighting bolt striking earth, your stereo system's sound will be, a 95db dynamic range, and a 5hz to 20,000hz frequency CD player is sure to stagger your perception of audio.

newly born, virgin sound. IT PERFECT?

fect. Or rather, it is, and m. You'll hear everything. ry note, every instrument, sitting in the orchestra. rst came out, there were its. 1) It could sound harsh ere weren't enough CDs t all CD discs were really ily. **Here are the answers.**

s did sound harsh. A char- pressing LPs is that they i-10,000hz, so recording d to boost those frequen- y mix master recordings. t cuts with an equalizer iscs back to super smooth er disc has a perfectly flat /whatever is on the master, ed when you play it back.

1. CDs were in short sup- any titles were released few months. Now there's che of thousands of titles, being released weekly.

1. Not all CDs come from s. CDs from digital mas- phenomenally better than l LP. (It's earthshaking.)

alog (conventional) mas- ed in the studios, they are wo inch wide tape at 15 ond. They sound great.

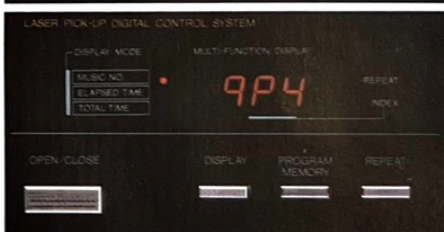
quality is lost in pressing opying cassettes. A CD master isn't quite as good il master, but its superior- is still like day and night. a standard format. There's ar out and the disc doesn't use nothing touches it.

Y EMERSON? player is the latest Japan- ond generation, type. eam, laser servo system npling for superb sound.

d. You can select up to 9 der you like. Then, just sit / the sound. There's even i. So, you can repeat your s or the entire disc over

forever. button and you can skip ck during play, or repeat

the track you are listening to. You can even playback indexed passages within a track. A display shows you the track that is playing, the elapsed time, or the total time of the disc.



Installation consists of simply plugging it into any 'aux' input on your receiver or preamp, nothing special. It's backed by Emerson's standard 1 year limited warranty.

TRY EXPLOSIVE SOUND RISK FREE

Plug it in. Experience music with a thrilling frequency response and sonic range. Plus, you'll be thrilled by the hiss, and background noise you won't hear.

If you're not 100% satisfied, simply return it to DAK within 30 days in its original box for a courteous refund.

To order Emerson's Fully Programmable CD Disc Player and experience the sonic thrills of a lifetime, call toll free, or send your check for DAK's **market breaking** price, of just \$178 (\$7 P&H). Order No. 4304. CA res add sales tax.

It may strain my credibility to describe any device I'm offering for only \$178 as providing sound many times better than anything you've ever heard before. But, use DAK's risk free trial to experience this bigger than life sound for yourself.



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**Williston
Audio**
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Sound Blaze

Like the blazing flash and violence released by a lighting bolt striking earth, your stereo system's sound will explode with life. With a 98db signal to noise ratio, a 95db dynamic range, and a 5hz to 20,000hz frequency response, Emerson's new fully programmable CD player is sure to stagger your perception of audio.

By Drew Kaplan

There's no warning. There's no record noise, no tape hiss. Vibrant but finely detailed music just explodes from your stereo system. The sound is like a shock-wave reverberating through your home.

This is the experience you can expect with your first introduction to digital audio. Forget any experience you've ever had before with stereo. CD audio is an awesome advance that dwarfs the switch we made years ago from 78s to LPs.

Imagine listening to music with a frequency response from 5hz to 20,000hz +0.5db -1 db. Wow! Imagine sound so pure that harmonic distortion is just 0.003%. And, if you're into zeros, flutter and wow is "unmeasurable".

The sound quality, and yes, the sonic violence will thrill you. I've spent over 15 years on the test bench and in the studios, and the only equal I've heard to this sound is 'live sound'.

And, live sound doesn't mean the sound you hear at a concert where you are simply listening to the auditorium's PA system. Live sound means sitting right in the middle of the orchestra.

I know, I'm a cellist. And, there's just no sound experience like the sound we hear in 'the pit'.

NO SOUND AT ALL

CD gives you a signal to noise ratio of 98db. There is, for all intents and purposes, absolutely no hiss, no scratch, and best of all, no surface noise.

You've got to experience the silence during very quiet passages to comprehend the sonic adventure of the music. It's as if your stereo isn't even on and then, suddenly, a thunderclap explodes!

Conventional records and tapes have a dynamic range of perhaps 50db. Dynamic range is simply the difference in sound level (volume) between the softest and loudest recorded sounds.

CD gives you a 95db dynamic range, which is roughly equivalent to the difference between absolute silence and standing next to a jet engine.

Your music will be dramatically more exciting. You won't have to carefully compare CD to conventional sound. From the very first note, you'll be in shock. It's as if the world was just created and you

are listening to newly born, virgin sound.

NOT PERFECT?

CD isn't perfect. Or rather, it is, and that's a problem. You'll hear everything. You'll hear every note, every instrument, as if you were sitting in the orchestra.

When CD first came out, there were three complaints. 1) It could sound harsh or hard. 2) There weren't enough CDs released. 3) Not all CD discs were really recorded digitally. **Here are the answers.**

1) Early discs did sound harsh. A characteristic of pressing LPs is that they drop off from 5-10,000hz, so recording engineers tend to boost those frequencies when they mix master recordings.

A few slight cuts with an equalizer bring the first discs back to super smooth sound. The laser disc has a perfectly flat response, so whatever is on the master, won't be masked when you play it back.

2) True again. CDs were in short supply and not many titles were released during the first few months. Now there's a virtual avalanche of thousands of titles, and more are being released weekly.

3) True again. Not all CDs come from digital masters. CDs from digital masters can sound phenomenally better than a conventional LP. (It's earthshaking.)

But, when analog (conventional) masters are recorded in the studios, they are recorded on two inch wide tape at 15 inches per second. They sound great.

Most sound quality is lost in pressing records and copying cassettes. A CD from an analog master isn't quite as good as from a digital master, but its superiority over an LP is still like day and night.

CDs are now a standard format. There's no stylus to wear out and the disc doesn't wear out because nothing touches it.

WHY EMERSON?

This CD disc player is the latest Japanese made second generation, type.

It has a 3-beam, laser servo system with heavy sampling for superb sound. Plus, it's loaded. You can select up to 9 tracks in any order you like. Then, just sit back and enjoy the sound. There's even a repeat button. So, you can repeat your selected tracks or the entire disc over and over again, forever.

Just touch a button and you can skip to the next track during play, or repeat

the track you are listening to. You can even playback indexed passages within a track. A display shows you the track that is playing, the elapsed time, or the total time of the disc.



Installation consists of simply plugging it into any 'aux' input on your receiver or preamp, nothing special. It's backed by Emerson's standard 1 year limited warranty.

TRY EXPLOSIVE SOUND RISK FREE

Plug it in. Experience music with a thrilling frequency response and sonic range. Plus, you'll be thrilled by the hiss, and background noise you won't hear.

If you're not 100% satisfied, simply return it to DAK within 30 days in its original box for a courteous refund.

To order Emerson's Fully Programmable CD Disc Player and experience the sonic thrills of a lifetime, call toll free, or send your check for DAK's **market breaking** price, of just **\$178** (\$7 P&H). Order No. 4304. CA res add sales tax.

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Not for Resale

Top Typewriter \$79 Close-Out

Here's an all electronic typewriter that operates on AC or batteries, plain or thermal paper, by typing on its full size, 132 character keyboard or connecting it to your computer. I just bought one for \$249, but it's yours for \$79.

By Drew Kaplan

It goes where you go. It self-corrects errors. And, it's almost totally silent. For writing letters at home, for students writing reports or for writing 'on the road', this 5 pound electronic marvel really puts out the written word.

You can type on ordinary smooth paper using carbon ribbons (three 18,000 character ribbons included). Or type directly on inexpensive (\$3.50 for 100 sheets) thermal paper without using ribbons.

In June, on a trip home from Chicago, I saw and bought this exact Silver Reed machine, in beige rather than black, from an Airline Magazine for \$249.95. (We have a copy at our store.)

It came packed with 200 sheets of thermal paper and 4 D batteries. For DAK's \$79 price, you get the AC power supply, 10 sheets of thermal paper, 10 sheets of plain paper but no D batteries. Wow, that's about a \$160 saving.

LOOK AT ALL IT DOES

It's only 12½" wide, 9½" deep and 2" high. Yet its keyboard has identical spacing to an office typewriter.

Plus, there aren't many office typewriters that can boast a built-in capability to print 132 different characters. It's the perfect machine for reports or letters.

It has electronic margins you set by simply touching buttons. You can set up to 16 tabs on a line, and you can select 1, 1½ or 2 line vertical spacing.

There are even incremental spacing buttons that move the paper forward or reverse. The typewriter handles paper up to 8½" wide and types a 7½" line.

SELF CORRECTION

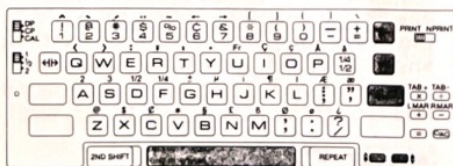
There are three typing modes. You can 'Direct Print' which types the letter on the paper as you strike the key, just like a conventional typewriter. You can use 'Correct Print', which allows you to type 15 characters before the typewriter starts typing the letters on the page.



In 'Correct Print', you can change letters, words or anything you like when you see an error on the bright LCD display with an electronic contrast control.

This allows you to see what you type before it's permanently typed. They call this word processing, but as a computer hobbyist, I just call it convenient.

Finally, you'll have a full function calculator. You can lay calculations right into your written text or switch to Non-Print.



2ND SHIFT AND MORE

In addition to the regular keyboard, there's a second keyboard with its characters shown above each key. It has useful characters such as ±, °, and foreign



language symbols. Please look below, because the typesetter setting this ad can't reproduce all the symbols.

It also has a 'Repeat' key that lets you infinitely repeat any character.

DON'T BE MAD

COMPUTER INTERFACE

Wow, just think, a machine that is sophisticated enough to work with your computer for just \$79. Unfortunately, its interface still costs \$69. But please remember, it was/is a \$249 machine.

Anyway, there's a port that allows you to add Silver Reed's external interface. You'll also need a standard parallel interface in your computer.

You'll have a computer printer with an 11 character per second printing speed. Each clear sharp character is made from a 16x10 dot matrix grid for good looking, super readable type.



HERE AND THERE

This electronic typewriter is quiet enough to let you type in a library. With its hard protective case (included), it's tough enough to drag to the beach. It's a simply perfect gift for anyone who has to write college or high school reports.



You can type in a mountain cabin or at the kitchen table. Now you can have great

looking reports and letters anywhere.

As I said above, the letters are formed by a top quality 16X10 dot matrix print head. (Many cheap printers have only a 5X7 grid.) You'll have both upper and lower case letters.

But even so, if you want 'presidential letter quality' such as I need coming from my office, you probably need a \$1000 IBM, not a 'computer type' printer.

And, don't forget you'll get the best quality printing from thermal paper or from very smooth 'copy type' paper.

But, you'll love the versatility, ease and low operational cost of this incredible innovation in typing. It's backed by Silver Reed's standard limited warranty.

TRY REALLY PORTABLE TYPING RISK FREE

Wait till you type a letter. Your entire family is sure to love this rugged machine. If you're not 100% satisfied, simply return it in its original box within 30 days for a courteous refund.

To order your Silver Reed All Electronic Typewriter, complete with AC adaptor, 3 Ribbons and 10 Sheets each of Thermal and Plain Paper risk free with your credit card, call toll free, or send your check, not for the \$250 suggested retail.

Don't even send the \$125 printed on the dealer cost sheet. Send just \$79 plus \$5 P&H. Order No. 4318.

You can order 100 sheet packs of thermal paper for only \$3.50 (\$0.50 P&H) Order No. 4319. Or packages of 4, 18,000 character carbon ribbons (72,000 character total) for just \$7.50 (\$0.50 P&H) Order No. 4320. The computer interface is \$69 (\$2 P&H) Order No. 4321.

This typewriter was impressive at \$250. A totally electronic typewriter that goes where you go for \$79, will sell out fast.



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The Inquisitor Plus

Now you can scientifically analyze the relationship between your stereo system and your room, just like the studios do. Plus, you can watch the 10 bands of tonal quality in your music at a breakthrough price.

Listen to your room. Are your crashing cymbals being absorbed by a couch before you hear them? Are the responses of your speakers flat throughout the audio range? Is your low bass totally obliterated by your forced air heater?

Now you can actually listen to your room. Or, you can test your tapes and components in seconds.

And, with an equalizer, or by moving your speakers or furniture, you can bring your system up to its full printed audioophile specs and more.

Plus, you'll see your music not as a single level on a VU meter, but as a kaleidoscopic parade of 10 individual 20 element VU meters. Each is tuned to a specific octave of the sound spectrum.

The effect is awesome. You can visually isolate a string bass or a cymbal and actually see each individual instrument almost as a wave moving across the display's 220 individual fluorescent elements.

And, look at this. When you are making cassette recordings, you can see the actual component frequencies you are recording. Since high frequencies, rather than the massive VU overloading effects of a string bass, are susceptible to saturation, you can accurately set your recording level for better recordings.

THE MOUTH AND EARS

It talks. BSR's Analyzer speaks with a voice of pure calibrated Pink Noise. Pink Noise is the scientifically developed composite of all frequencies, generated at the exact same level.

Just connect the Pink Noise outputs to any line or 'aux' inputs in your receiver, equalizer or tape deck.

It listens too. You can monitor the results in two ways. If you are testing a cassette, use its line inputs. If you're testing your system's speakers, use its included matched calibrated microphone.

HOW TO TEST YOUR SPEAKERS IN THEIR ENVIRONMENT

This is the crucial test. Simply place the calibrated microphone where you normally sit. It has an 18 foot cable.

Turn on the Pink Noise. With one glance at the 220 element display, you can see all the great and not so great frequency characteristics of your system.

You'll be able with the help of an equalizer to 'flatten out' your system's re-

sponse. You'll also be able to see the equality of your channels at all frequencies and make corrections to each channel for environmental differences.

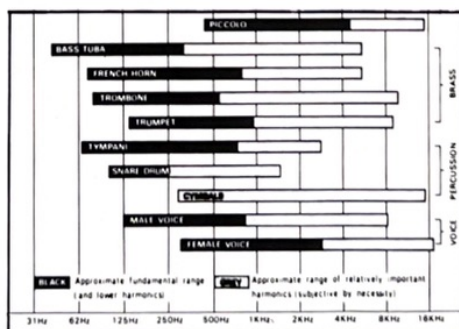


The analyzer works great with any system or equalizer.

Just wait till you move a chair that's near one of your speakers. Or wait till you see how your high frequency response will improve by rotating a speaker 10 or 20 degrees.

Output meters and VU meters only look at the gross power going out. That's why tweek Hi Fi shops will charge up to \$100 to send out a technician with an analyzer like this to set up your system.

You can test the Left, the Right or both speakers. There's a full range sensitivity control and a 20db/30db sensitivity switch. And, there's even a 'Peak Hold button' to freeze the display.



You'll actually see instruments as shown above on the display.

DON'T PUT IT AWAY

BSR backs this audiophile test equipment with a full 2 year limited warranty, so there's no need to hide it away. If you're like most of us electronic/music nuts, just 'seeing' your music on 220 fluorescent elements will be an experience well worth the price alone. Plus, this is sure to be the most scientifically

impressive component in your system.

DEAD BASS?

While I was testing the Analyzer, our standard central air/heat came on. Displays for the 31.5hz, 62hz and 125hz all shot up to the top and peaked. In short, there was so much sound level pressure below 125hz, that all signal below 125hz was totally masked.

While there isn't much you can do about the heat, it's surprising that the air coming through the duct had such a massive effect on the sound. Think of the effect when you record with mikes.

Plus, this illustrates the point I made earlier about overloading cassette recordings. A single VU meter would have peaked, so I would be recording the signal I wanted too low, which of course causes an increase in tape hiss.

FULL CONTROL

There are 20 element fluorescent VU meters for the following 10 frequency bands: 31.5hz, 62hz, 125hz, 250hz, 500hz, 1,000hz, 2,000hz, 4,000hz, 8,000hz and 16,000hz. An 11th shows the average. It's just 8½" X 7" X 2¾".

PUT YOUR SYSTEM TO THE TEST RISK FREE

Studios use them. So do electrical engineers. Now you can set up your own system, compensate for differences in your room, and much more.

Plus you'll have the most exact and exciting meter system to use when you're recording or to enjoy during play-back.

If you're not 100% satisfied for any reason, simply return it within 30 days in its original box for a courteous refund.

To order BSR's Inquisitor Real Time Spectrum Analyzer with Pink Noise and Calibrated Microphone risk free with your credit card, call toll free, or send your check for DAK's breakthrough price of just \$99.90 plus \$6 for P&H. Order No. 4300. CA res add sales tax.

It's a valuable and educational tool, plus it's an exciting addition to your system.



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No Button Chess

Just follow the blinking lights for the most challenging game of your life. There are 8 levels. It's fully automated. And, wait till you see the price.

It's you against the computer. Chess comes alive with the latest breakthrough in computer technology.

There are no more bothersome buttons to push and complicated calculator displays to decipher. This computer uses 'sensor technology' to interpret what you have done, and simply lights 2 LEDs to tell you what it wants to do.

It's the newest version of 'follow the bouncing ball'. Now it's follow the blinking light. So, let the war begin!

It's smart. It has 8 levels of difficulty and its brain is an 80C50 Processor running at 6 megahertz with a memory capability of 32,000 bits, so you better come out fighting.

SIMPLE TO USE

Notice that I said, "simple to use", not simple to beat. Using this computer is incredibly easy. Just move your man. The computer will know exactly what you've done.

Then it's the computer's turn. Two LEDs will light to show you the man the computer wants to move. Then two more light show you where to move the man.

It's simple. It's easy. And, there are no buttons to push. You can concentrate on the game, not on the computer.

BUT, THERE ARE BUTTONS

The only buttons you really need are the on/off switch and the new game button. But, look at this.

There's help. Just touch a button, and the computer will join your team. It will pick your best possible move. A second button touch will send its brain back to pick its best response.

You can cheat. Let's say you make a really dumb move. After you see what the computer is going to do to you (hor-

rors, you've lost your Queen), you make the computer take back its last move and then you can take back yours.

And that's not all. If you're the type of person who says, "If I only had my Queen back, I could beat this thing," no problem. You can add back in any piece anywhere, with the push of a button.

But there are limits. This computer won't let you make an illegal move. And if you move its man to the wrong location, it emits an unpleasant sound and flashes the lights re-showing you where it wants to go. So, what could be easier?

There's more. You can do a lot with the powerful brain of this computer. Not only can you add back in a piece you lost, you can take one of the computer's away. Plus, you can set up a classic game in mid-play to see how you would do.

This computer does everything a chess master would do. It castles, it has pawn promotion and en passant. So brush up, you'll have to play your best.

Even level one is a challenge. I can't beat this computer at level 4. And, I don't even want to talk about levels 5, 6, 7 and 8. And here's a nice extra.

You won't have to wait for the computer. With its super fast 6 megahertz speed, it thinks while you're playing (I think it knows what you're going to do).

It reacts in 5 seconds on level 1, 30 seconds on level 4 and so on. See if your brain can keep up with this computer.

WOW, IT'S REAL CHESS

But, when all is said and done, playing chess is what it's all about. And this game is very smart, very tough, but incredibly easy to use. Every move is even audibly confirmed.

It is only 10 1/2" X 11" X 2 1/2". The com-

batants are magnetic and the King stands 2" tall. Using the newest IC technology, this computer operates for more than 500 hours on 4 C batteries.

So, this chess player goes where you go. And, with more than 500 hours of battery life, you don't even need to buy an AC adaptor.

It's made in the United States (isn't that a change) by Fidelity Electronics. They are the largest and best known of the chess computer manufacturers. And, it's backed by their limited warranty.

TRY NO BUTTON CHESS RISK FREE

If you like a challenge and your ego is strong enough to withstand losing to a computer, why not play just one game.

If you aren't 100% satisfied, even if you just lose too often, you can return this computer within 30 days in its original box for a courteous refund.

To order your Fidelity No Button Chess Computer risk free with your credit card, call toll free, or send your check for DAK's breakthrough price of just \$69 plus \$4 for P&H. Order No. 4306. CA res add 6% sales tax.

Whether you're a novice or a master, one of the 8 levels is sure to keep you humble. Chess taxes intelligence, not reflexes, which is why it's always been a game of Kings and Diplomats.



DAK

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Stealth Bomber Update

The Pentagon may pay billions for the new Stealth Bomber that flies automatically and is invisible to enemy radar. But, you can have Teac's Stealth Automated Cassette Deck with dbx that can even record the full dynamic range of CDs for less than the price printed on Teac's January '85 dealer cost sheet.

Stealth's invisible. Enemy radar can't see it. And, it's the newest electronic marvel to come off the drawing board.

Now, you may be thinking that there's not much in common between a Stealth Bomber and an automated cassette deck. But, wait a moment before you decide.

This automated deck has a 'radar avoidance system' called dbx. No, it's not an MX missile. But, if the Stealth Bomber is invisible to radar, wait till you hear how 'invisible' tape hiss will become to your ears with this dbx deck from Teac.

When you record using dbx, this deck gives you a 90db signal to noise ratio and an amazing 110db dynamic range. This is one of the few decks that can accurately copy CD discs with all of their brilliant impact.

And, with a 30 to 20,000hz frequency response with CrO₂, and 30 to 19,000hz with normal tape, you'll have vibrant recordings from any source.

AUTOMATIC PILOT PLUS

The Stealth similarity doesn't end at 'radar avoidance'. While the Bomber controls are still top secret, I can tell you a lot about this deck's automated controls.

From the first button you touch, you'll appreciate this deck's total IC logic control. A DC servo controlled motor drives only the capstan for low flutter and wow, while a second DC motor operates the unwind and rewind functions.

With auto-record mute, you'll have clean intros and exits to your recordings. And, what recordings you'll get.

A Cobalt Amorphous head combined with a Ferrite erase head really transfers a clean signal onto the tape. And linear slide input level controls and 13 element peak reading VU meters make precise level setting a breeze.

COURSE CORRECTIONS

When you're listening to a tape, you may want to skip to the next song or play the same song over again. Stealth's autopilot lets you alter course.

Just push the » button during play to automatically advance to the next song. One touch of the « button will automatically return you to the beginning of the song being played. Wow, the Stealth Deck really does have automatic pilot.

LOADED WITH EXTRAS

There are no bias switches to remember. This deck automatically selects and displays the correct bias when you insert a cassette. Another really nice feature is an output level control which allows you to match the output of this deck to the rest of your system.



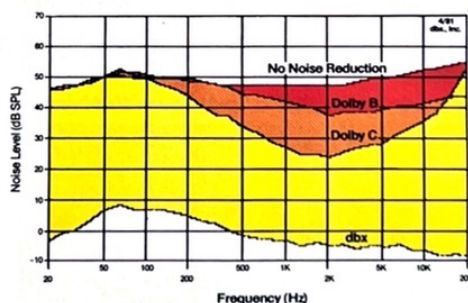
While dbx is the ultimate noise reduction system, complete with its vibrant 110db dynamic range, this deck also allows you to record and play Dolby B.

And, the list goes on. There's memory rewind to aid in locating a specific position on the tape. And, with an external timer like the BSR X10 system, (not included) this deck can be set to automatically record or play at a preset time.

BUT IT'S THE dbx

You can buy other fine solenoid operated decks. You can even get decks with Dolby C for the \$280 suggested retail price of this deck.

But you just can't get the full-range dynamic hiss free response across the entire frequency range that you can get with dbx.



This graph supplied by dbx clearly shows just how good recording with dbx can be. You can easily test the day and night difference for yourself. The test is described in the next column.

The graph above says it all. dbx will give you cassette recordings that are virtually free from surface noise across the entire frequency range. Not just at the very high end.

Plus, you'll have the incredible vibrance of a 110db dynamic range. (The difference between the very softest and loudest possible sounds.) With this deck

you're ready for CD or any possible recording need.

DAK bought over 4000 of these superb Teac decks to get this market breaking price. As you can see below, the January 1985 price list shows a suggested retail price of \$280 with the dealer cost being \$165. Read on for your price.

Effective January 1, 1985		
Features:	Suggested Retail	Dealer Cost
V-430X	280	165
Features: 2 Heads: Cobalt Amorphous, Ferrite 2 DC Motor Transport System IC Logic Operation: Memory Stop One Program Skip, Auto Tape Selector Auto Bias Match, Output Volume MPX Filter, capacitor with NR switch 15-dot LED Bar Meters		

It's a top quality deck from a top quality company. And of course, it's backed by Teac's standard limited warranty.

TRY THE STEALTH DECK RISK FREE

Record some blank tape with no input as I did. Set your tape counter at 000. Start the recorder without noise reduction. At 020, switch in the Dolby B, and at 040, switch in dbx. Then play it back.

You'll be sold just as I was. It's a great deck for a lot of reasons. But dbx would make this deck worth its retail price alone.

If you aren't 100% satisfied, simply return it within 30 days in its original box to DAK for a courteous refund.

To order your Stealth Teac Automated Cassette Deck with dbx risk free with your credit card, call toll free, or send your check. Don't send its \$280 suggested retail. Don't even send the \$165 dealer cost. Send just \$148 plus \$7 for P&H. Order No. 4305. CA res add tax.

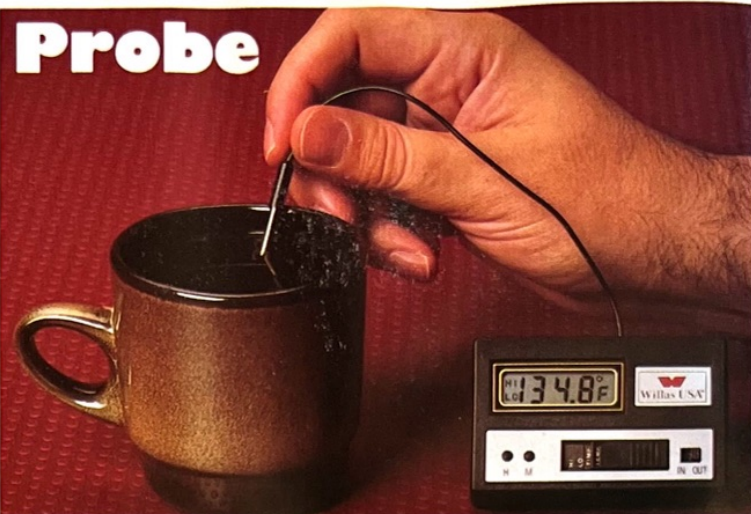
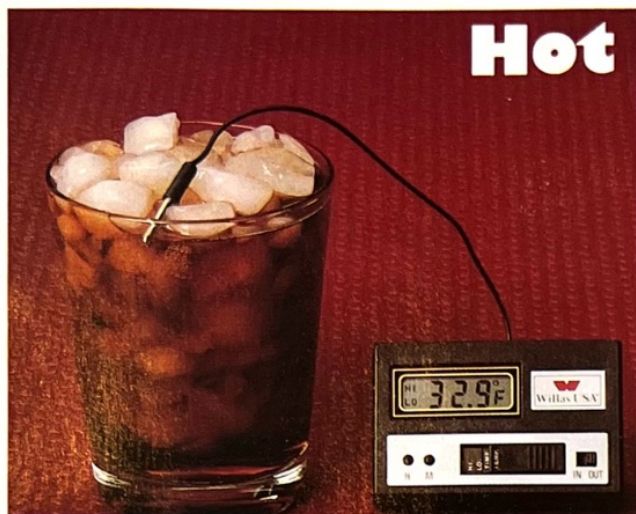
The Stealth Bomber is still on the drawing board. But, you can get your own Stealth Deck and be ready to record CDs, live music or just fabulous sounding copies of records, while our limited supply at this price lasts.



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Williston
Audio
Not for Resale

Hot Probe



Now you can test your air conditioner, your hot water heater, your wine or your pool. Here's the latest in temperature measuring devices, at a breakthrough price. Plus, you can even set temperature alarms.

Does the air conditioner in your car need Freon™? Is your refrigerator set for the right temperature? And, just how hot is your hot water?

Now, with the all new Hot Probe Temperature Sensor from Willas, you can check the temperature of virtually anything from your Jacuzzi, to your aquarium, to your attic, in 1/10 degree increments.

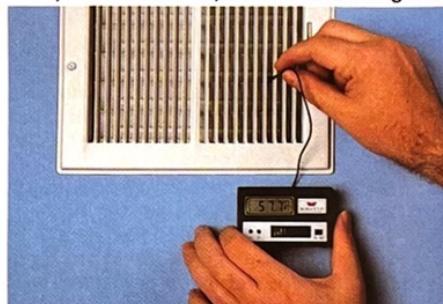
You can measure anything from 0°F to 160°F. The Hot Probe has an attached probe that stretches out to 10". Plus, it has an internal sensor to measure the ambient (surrounding) air temperature.

Now you can measure the temperature drop of your car or home air conditioners. (That's the difference between the room air temperature and the temperature of the air coming out of the duct that's measured by the probe. See picture.)

The extra large LCD display is exceptionally clear. And, because it never shuts

off, it's the perfect room air temperature sensor for your desk or night stand.

If you're like me, you'll be checking the



temperature of everything from your coffee to your bath. When I measured the output air from my typesetter that I use to make this ad, I found it was 107°F.

It's not supposed to be above 90°, so I installed a fan. The Hot Probe might

have just saved me a bundle of money.

TEMPERATURE ALARMS

Because of the experience with my computer, I got the manufacturer of the Hot Probe to add temperature alarms. You can set alarms to sound if the temperature rises above or drops below any temperatures you have selected.

It operates on one AAA battery (not included) and it's backed by Willas's limited warranty.

TRY THE HOT PROBE RISK FREE

If you're not 100% satisfied, simply return it within 30 days in its original box for a refund. To order your Hot Probe Sensor risk free with your credit card, call toll free, or send your check for only \$29 (\$3 P&H) Order No 4330.

You may not save an expensive computer like I did, but if your air conditioner is low on Freon™, you might just save your compressor. It's a neat device.

Audio Telescope

Pick a voice out of a crowd or a sparrow's song out of a tree with this super-directional shotgun microphone



It's tough. If you've ever tried to record a singer while you're sitting in the audience, or a conversation from across the yard, you know that your microphone seems to pick up everything but what you want to record.

Now you can record a lecture from the back of the room or a bird's chirp from across a field.

The sound will be crystal clear with a full 30 to 15,000hz frequency response from this super-directional electret condenser microphone.

Electret condenser microphones cap-

ture sounds never before possible outside the recording studio. By using battery driven circuits, these microphones can use a more sensitive sensing membrane to capture sound vibrations.

Very little mass must be moved, so these new mikes are incredibly sensitive. The Audio Telescope is powered by one AA battery (not included).

It comes with both a conventional mike stand mount and a stand. And, you can mount it on most video cameras.

The microphone itself is totally isolated from the stand by polymer O-rings.

So, it actually floats. It will not pick up motor noises or vibrations.

It is 17" long and comes with a full length foam wind screen. There is a mini phone plug for video camera use, plus a 20 foot mike cable with both mini and 1/4" plugs for conventional professional recording. It's backed by a manufacturer's standard limited warranty.

TRY THE AUDIO TELESCOPE RISK FREE

Record lectures, concerts or nature, risk free. If you don't feel you've made totally professional recordings, simply return the Audio Telescope in its original box within 30 days for a refund.

To order your Audio Telescope risk free with your credit card, call toll free or send your check for only \$67 plus \$3.50 for postage and handling. Order No. 9736.

You'll be able to make superb recordings that were never before possible.



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Not for Resale



**Olivetti's
Underwood**

Medical Blunder Revisited

Olivetti thought they'd capture the entire medical market by producing a \$645 full size, daisy wheel, all electronic typewriter with full automatic correction in off-white instead of black. Unfortunately their sales force didn't know what to do with it, so DAK closed out over 7500 for \$249. But look what you'll get now for \$217.50.

By Drew Kaplan

Well, in Olivetti's quest for diversification, they also produced a typewriter with the same keyboard, the same daisy wheels, the same ribbon and the same lift off correction system under their Underwood name. Here's how I described the last machine.

Scapel, clamps, typewriter. No, Olivetti didn't think that this totally electronic, dual keyboard, full size machine would really be used in operating rooms.

But, they did think that if they produced their legendary Praxis 41 in off-white instead of plain black, they might be able to lock up big hospital contracts.

After all, here was a full size office typewriter with interchangeable daisy wheel printing, whose color would be customized for the medical profession.

With single key lift off correction, errors simply disappear. And, bills could be raised at will. With one touch electronic margin and tab setting, neat itemized bills could be rendered quickly.

And look at this. Vertical rule lines can be automatically added to any or all tab locations. You'll have really professional looking columns for reports.

There's even a switchable second keyboard with scientific and foreign symbols. This typewriter can squeeze 15 characters into an inch so you can fill out all those complicated government forms. And, a front panel switch lets you choose 10, 12, or 15 characters to the inch.

The interchangeable daisy wheels are available in 10, 12, or 15 character to the inch sizes and let you choose formal, informal or even script type faces.

The daisy wheels just pop in or out like typing balls. They are definitely the newest, fastest way to achieve professional true letter quality printing.

NOT JUST FOR DOCTORS

Imagine typing a 'werd' and changing it to 'word' automatically. This intelligent machine remembers the last 10 characters you typed and will automatically lift off the incorrect letter with a single key.

If you made a mistake farther back on the page, just touch the correction key first, and then the offending letter. The letter will be lifted off the page.

If you left out a letter, don't worry, there's even a half space key. Plus, if you've made a correction at the beginning of a line, one touch of the 'Relocate' button causes the typewriter to automatically reposition itself to the space after the last character you typed on the line.

Every office convenience is included. You can choose 1 line, 1½ line, or 2 line spacing. And, there's even an express button that returns the print head to the beginning of the line you're on.

A rotating dial shows you how many inches you have of typing space remaining. And, an inch guide lets you easily set tabs and margins without guessing.

And speaking of tabs (you can set 12) and margins, you set them by simply touching an electronic button.

AND NOW, THE UNDERWOOD 3500

Underwood is an old and respected name in office typewriters. It's owned by Olivetti. The July 1984 dealer cost sheet shows a suggested retail of \$545, with dealer cost at \$347, which is \$37 less than the original Medical Blunder.

The biggest difference is that the Medical Blunder had a provision for adding a \$119 computer interface. So, if you're looking for a computer printer instead of a typewriter you're out of luck.

The outer case of the Underwood is about 2" smaller. And, instead of taking 13" paper it only takes 12". But, it types the identical line. The Underwood comes with a large suitcase type carrying

case (but at 21 pounds it's not very portable), the Medical Blunder did not.

The carbon ribbon cartridges, correction rolls and daisy wheels aren't just interchangeable with the Medical Blunder, they're the exact same. And of course, everything is available nationwide and is backed by Olivetti's limited warranty.

MEDICAL BLUNDER REVISITED RISK FREE

Wait till you feel the keyboard. Wait till you experience the features that will save you time and give you flawless office quality letters. If you're not 100% satisfied, simply return it in its original box within 30 days for a courteous refund.

To order your Olivetti/Underwood 3500 Electronic Typewriter complete with a carbon ribbon cartridge, a snap-in lift off correction roll and a standard daisy wheel



risk free with your credit card, call toll free, or send your check not for the \$545 suggested retail, but for just \$217.50 plus \$11 for P&H. Order No. 4311.

Full size industrial carbon ribbon cartridges with 40,000 character capability are just \$4 (\$1 P&H) Order No. 4176. Snap-in correction rolls with 1100 character correction capability are just \$2.50 (\$0.50 P&H) Order No. 4177.

Wait till you experience the joy of automatic correction, electronic typing aids and Olivetti's solid dependability.

Monitored Home Security

Here's a virtually installation free Burglary, Fire, and Medical Alarm Protection System that's backed up by a National UL Listed Central Station. Trained On-Line™ Security Dispatchers will explode into action and contact rescue forces in seconds to protect your family and possessions when your alarm is triggered.

By Drew Kaplan

It's easy. It's fast. And now you can have both a local alarm and a monitored central station alarm to protect you.

Imagine leaving your home tonight with your new burglar and fire alarm poised to protect your possessions. And, when you get home and go to bed, your entire family can be protected.

If a burglar breaks in or a fire erupts, not only will a loud piercing local alarm sound, but your On-Line™ Security system will be alerting the Trained Security Dispatchers at the Central Station.

And, as long as you are thinking about alarms, remember that while your insurance will probably pay for your furniture, who's going to replace your record and tape collection, your family pictures and your computer disks? Quick action is your best and most effective protection.

HERE'S WHAT IT DOES

The sophisticated On-Line™ Security System which you can install in an hour by yourself, monitors 4 separate emergency situations. You'll be on line in case of fire, medical or police/panic emergencies, 24 hours a day, 7 days a week.

Plus, you can arm the system for intrusion (break-in) whenever you desire. If an emergency occurs, your Master In-Home Terminal activates its digital communicator, which uses your own phone line to contact the Central Station.

Trained Emergency Response Security Dispatchers, housed in a concrete command center built much like a missile silo, protected by automatic security cameras, guards and instantaneous backup power, swing into action when your emergency signal is received.

They immediately call you at home. If you 1) do not answer within 4 rings, 2) your line is busy or 3) someone answers but is unable to give your secret security clearance code, emergency action begins.

This Central Station which is UL Listed for Fire (many Central Stations don't achieve this high rating), calls your local Fire Department, your choice of Paramedics or your Family Doctor, or the Police.

Note: There is no UL Listing for Central Station Medical Alert, and since you install the system yourself, UL doesn't rate the Central Station for burglary.

And look at this. After the proper authorities are contacted, the Central Station will then notify the first person they reach of the problem, from a list of 4 people you have designated.

HERE'S WHAT IT IS

The On-Line™ Security System consists of a state of the art Master In-Home Terminal, and remote wireless digital security sensor/transmitters. Each specialized sensor provides comprehensive coverage for Fire, Medical, Panic or Intrusion Emergencies.

A PERIMETER BURGLAR ALARM

Perimeter protection is the first line of defense for stores, factories and banks. But, perimeter alarms are generally too expensive for home use.

Besides, for the best protection, an interior trap is required. It can catch



burglars who cut through walls, roofs or unprotected windows. (See below).

Anyway, you can spend thousands of dollars to have your home hard-wired. But now, you can have perimeter protection at a fraction of the price.

Both hard-wired industrial alarms and the On-Line™ System give you perimeter protection. But there's a big difference. There are no wires going back to the Master Terminal with the On-Line™.

Instead of using cumbersome wires that can be cut or damaged over time, the On-Line™ System uses its digital remote wireless sensor/transmitters for interruption-free communication.

There's no catch to this system. It works. And, each easy to install transmitter operates on a single 9V battery (not included). And, don't worry about the battery. It lasts up to a year, and when it does become weak, it electronically signals the Master Terminal.

The transmitters have a range up to 300 feet and you can add as many transmitters as you wish. So, whether you live in a one bedroom apartment or a three

story mansion, the On-Line™ System can protect your home.

The transmitters can be attached with pressure sensitive adhesive or screwed in (both included). Two Intrusion Transmitters with magnetic contact sensors are included with the system.

You can add the ultimate sensor. On-Line™ has Passive Infrared Detectors (optional) for this system. This sensor isn't a magic eye or a beam of light.

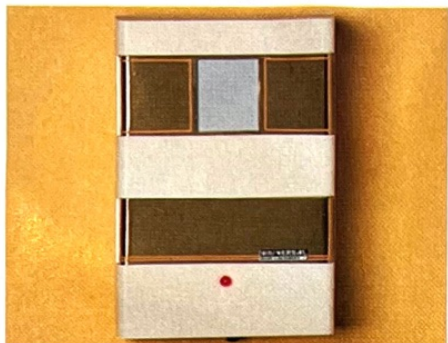
It actually senses body heat up to 30 feet away. Its sensing pattern is shaped like a slice of pie, where the point is at the sensor and the sensing area increases to nearly 30 feet wide at a 30 foot distance.

It doesn't send out any sound or light. It just senses, so it's perfectly safe for pets and humans alike. And, speaking of pets, if you mount the sensor 5' high on a wall, pets up to 2½ feet high can roam freely in a room. But woe to the burglar that tries to walk by.

One passive infrared interior trap is a good idea to turn on when you leave home. If a burglar saws through your roof or knocks through a wall (they do in

factories), it's the ultimate protection.

It has a transmitting range up to 300', it operates from a 9V battery (not included) for up to 6 months, and it's super easy to install. Just place it on a wall and have your pets 'walk test' it. You'll be amazed at its coverage of your room.



IT'S A FIRE ALARM

Now you can put up a smoke alarm that will not only scare you to death if it goes off, it can summon aid as well.

It has a range up to 300' that can cause the Central Station to explode into action, summoning help while you're grabbing your bathrobe.

Just attach it to the ceiling as you would any other smoke detector.

IT'S A POLICE/PANIC ALARM

What if you don't have the intrusion alarm on and someone walks into your home? What if you hear a noise and you go outside to investigate (a dumb idea).

While the Intrusion Alarm must be armed, the Panic Alarm is always on.

The Master Terminal will shriek, the optional blast horn will blast, and the Central Station can be calling for help.

There's a panic button on the Master Terminal. Panic buttons with a transmitting range up to 300' are \$29 options.

THE MASTER IN-HOME TERMINAL

This system won't cramp your lifestyle because it's nearly 100% automated.

Fire, Medic and Panic protection is armed 24 hours a day. You only have to remember to arm the Perimeter Alarm when you want burglary protection.

There's a Home Test Button that lets you see if you've left any protected doors or windows open.

So, the Master Terminal can supervise all your protected doors and windows. It's a great way to double check that you've properly closed up your home.

There's a Monitor Center Test Button. Once a month, just push this button and it will contact the Central Station, test its data-link and sign off.

IMPORTANT NOTE: As part of the monitoring fee you pay, you get the use of a proprietary plug-in chip that allows you to access the Central Station's secret number, toll free. So, neither your monthly tests, nor emergency communications will show up on your phone bill.

Like virtually all monitored alarm systems, this unit communicates over your telephone line. So, naturally you need a working phone line.

To install the Master Terminal, just plug in its AC cord, install 6 standard C batteries (not included) to activate its battery backup protection, and plug the Central Station Supplied Telephone Cord into a standard modular phone jack.

SECURE SECURITY

Universal Security Instruments Inc./Cable Call, a publicly traded company, manufactures the equipment and operates the Central Station. USI has been a leader in the security business since 1969. USI's size as a company and operational safeguards, literally dwarf small local alarm companies.

Note: There's a standard limited warranty on the equipment and the monitoring backed by USI. If you'd like to see a complete copy in advance, send a letter to DAK, 'Security Warranty'.

TEST ON-LINE™ SECURITY RISK FREE

You, your family and your prized possessions will be protected by a state of the art, monitored security system.

If you aren't 100% satisfied, simply return it in its original box(es) within 30 days for a courteous refund.

To order an On-Line™ Security System, complete with Master Terminal, 2 Door/Window Magnetic Sensor/Transmitters, 1 Smoke Alarm Transmitter, an Outside Screw On Sign and Window Decals risk free with your credit card, call toll free or send your check for DAK's breakthrough price of just \$279 plus \$7 for P&H. Order No. 4230. CA res add tax.

The system is available only with the monitoring service which you may order by the quarter (3 months) for just \$36 (\$1 P&H) Order No. 9903. Or, you may order the monitoring service by the year for just \$120 (\$1 P&H) Order No. 9912.

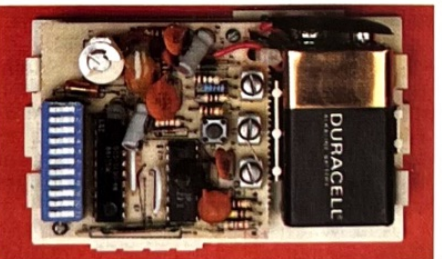
Note: Although you will be charged for the monitoring service when we ship, your actual monitoring charges will not begin until you have mailed in your easy to fill out User Application, and have been activated by the Monitor Center.

The Center needs to know who you are and who you want contacted, and if you have any special permits, etc. (It's all explained on the form.) And, you can cancel at the end of any billing period.

CUSTOMIZE YOUR SYSTEM

Although the system is wireless, within a room it's often just as easy to run a wire. For example, if there are two windows in one room, you can use inexpensive magnetic contacts on one and a transmitter on the other.

Just connect the wire from the extra contacts to the terminals on the transmitter. A box with two pairs of magnetic contacts and a coil of wire is just \$9.95 (\$1 P&H) Order No. 4233.



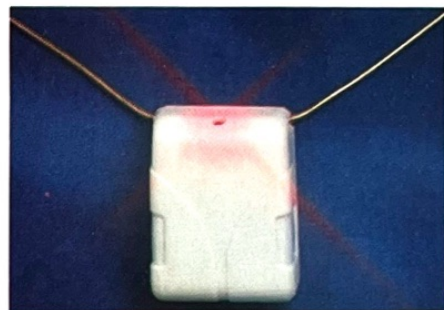
The radio transmitters, with a built-in magnetic contact, have a range up to 300'. You can hook an unlimited number of the optional magnetic contacts to each transmitter. The battery (not included) lasts up to a year.

Add as many transmitters as you wish. Each transmitter comes with one built-in magnetic contact and simple screw terminals to connect additional magnetic contacts to it. Transmitters are \$26.95 (\$1 P&H) Order No. 4234.

A 2" Medical Pendant, complete with a lovely chain and a range up to 200',

can provide freedom and dignity for parents and grandparents who have potential medical problems.

Just squeeze both sides of this water resistant pendant (yes, you can even shower with it), and the Master Terminal can send the Central Station into high gear. From a slip in the shower to chest pains, a squeeze is all it takes. It's just \$39. (\$2 P&H) Order No. 4236.



Smoke Sensor/Transmitters are just \$39 (\$2 P&H) Order No. 4237.

Panic Buttons are just \$29 (\$1 P&H) Order No. 4238.

Passive Infrared Detector/Transmitters are just \$69 (\$3 P&H) Order No. 4240.

A Remote Blast Horn with 50 feet of wire is available to really help deter burglars and alert your neighbors. It's just \$19.95 (\$2 P&H). Order No. 4239.

It's easy to install. And, it's easy to live with. Why not protect your family and prized possessions today?

YOU TRUST US WE TRUST YOU

The passive infrared detector makes this system so easy to install and so effective, that you can have local alarm protection when your system arrives.

Here's where I trust you. I'm not asking you to buy one of these optional passive infrared detectors. I'm going to include one when we ship you the system. But, there will be a bill.

Try it out. Walk test it, and see just how much protection it gives you. And, after you see that it (and the rest of the system) was as easy to install as I've said, your conscience will be your guide.

You can keep it and pay the enclosed bill. You can return it or the entire system. Or, if you're going to keep the system, but you don't think that the On-Line™ System is even better than its description in this ad, keep the passive infrared detector, and we'll never dun you for it.

I'm an optimist, so I'll enclose a post paid envelope for your check.

Note: Trusting you with this passive infrared detector is 100% my idea. It was not, is not, and as far as I know, will never be packed with or included with the system. So, I really do need you to pay for it.

Where do you trust us? If you send us your money, you've trusted us enough.

Hotline Help- If you have questions about installation or operation, use the toll free number packed with your system.

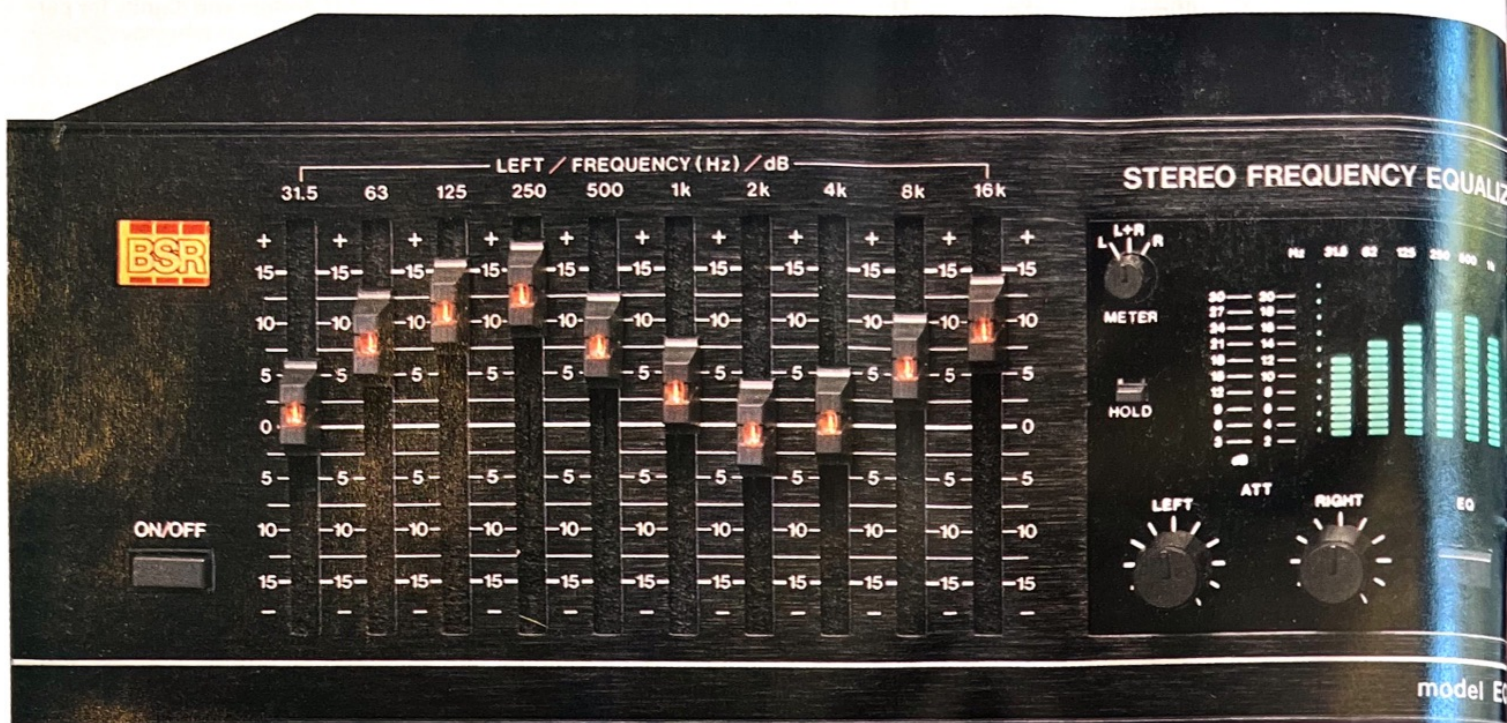


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Not for Resale



Smart Sound Detonator

Obliterate the wall between you and the individual instruments in your music. Infuse your own stereo system's sound with a breathtakingly vibrant 30 to 50% improvement in sound quality that you can measure with this superb BSR Equalizer/Spectrum Analyzer limited \$149 close-out.

By Drew Kaplan

Close your eyes. Touch a button. And you'll hear your stereo system literally explode with life.

You'll hear the gentle brushes on a snare drum, the startling bone-jarring realism of a thunder clap, or the excitement of a full cymbal crash.

You'll hear string basses and other deep low instruments emerge from bass (that will sound murky by comparison), with such clarity and such definition that you'll feel you can almost touch each instrument.

This astoundingly distinct yet powerful bass adds such a full bodied warm feeling to your music, you'll feel as if you've been lovingly wrapped in a warm soft blanket on a cold winter's night.

But don't take my word for the sound quality improvement. With the Pink Noise Generator, Calibrated Electret Condenser Mike and the 220 Element Spectrum Analyzer, you can instantly measure each and every improvement you make.

Plus, there's more. A subsonic filter effectively adds the equivalent of many watts onto the power of your amplifier.

Plus, with its provision for two separate tape decks including two way dubbing, you'll have much more than just greatly improved sound.

You can count on great sound from this top of the line Equalizer/Analyzer. It has a frequency response from 5hz to 100,000hz ± 1 db. And, it has an incredible 100db signal to noise ratio.

BSR, the ADC equalizer people, make this super Equalizer/Analyzer and back it with a 2 year standard limited warranty. Our \$149 close-out price is just a fraction of its true \$379 retail value.

**FIRST THE EQUALIZER
YOUR STEREO'S HIDDEN SOUNDS**
Your stereo can sound incredibly bet-

ter. Just a 5db roll-off at the high end, up around 14,000hz to 16,000hz, can just decimate the harmonics that give you the open feeling you'd experience at a live concert. A similar roll-off at 60hz, causes the fundamental bass notes to just fade away into the 'murk'.

An equalizer isn't some magical device that manufactures sounds that don't exist. Most of the frequencies that will make your music really vibrant, are actually already recorded in your music.

You'll be able to prove this with a few simple tests we'll try when we discuss the Spectrum Analyzer.

You see, certain frequencies are simply not reproduced with as much volume as are the mid-range frequencies which stretch from about 800hz to 2,000hz.

An equalizer simply lets you establish accurate control of all frequencies to fit your equipment, your recordings, your taste, and your listening environment.

TOTAL MUSICAL CONTROL

And, what a job it can do. It's totally unlike bass and treble controls which simply boost everything from the mid-range down for bass, or everything up for treble. You can boost the low-bass at 31.5hz, 63hz and/or 125hz to animate specific areas or instruments.

And, when you boost the part of the bass you like, you don't disturb the mid-range frequencies and make your favorite singer sound like he has a sore throat.

The high frequencies really determine the clarity and brilliance of your music. The problem is that highs are very directional. Wherever you move in your listening room, you'll find a big difference in high end response, as you'll see when we test the Analyzer.

No recording engineer or equipment manufacturer can even begin to control your listening environment.

You can control the highs at 4,000hz, 8,000hz and/or 16,000hz, to bring crashing cymbals to life at 16,000hz while at the same time you can cut tape hiss or annoying record scratches at 8,000hz.

But there's more. Don't leave out the mid-range. You can boost trumpets at 300 to 500hz or a clarinet at 1000hz. You can boost or cut any part of the frequency spectrum a full ± 15 db.

TAPE DECK HEAVEN

You can push a button and transfer all the equalization power to the inputs of two tape decks. Now you can pre-equalize your cassettes as you record them and get all the dramatically enhanced sound recorded right on your cassettes.

This is an especially great feature when you play your cassettes on bass-starved portables or high-end starved car stereos.



SIMPLY PLUG IT IN

Use your tape monitor circuit, but don't lose it. Now your one tape monitor circuit lets you connect two tape decks.

Just plug the equalizer into the tape 'in' and 'out' jacks on your receiver or preamp. We even supply the cables.

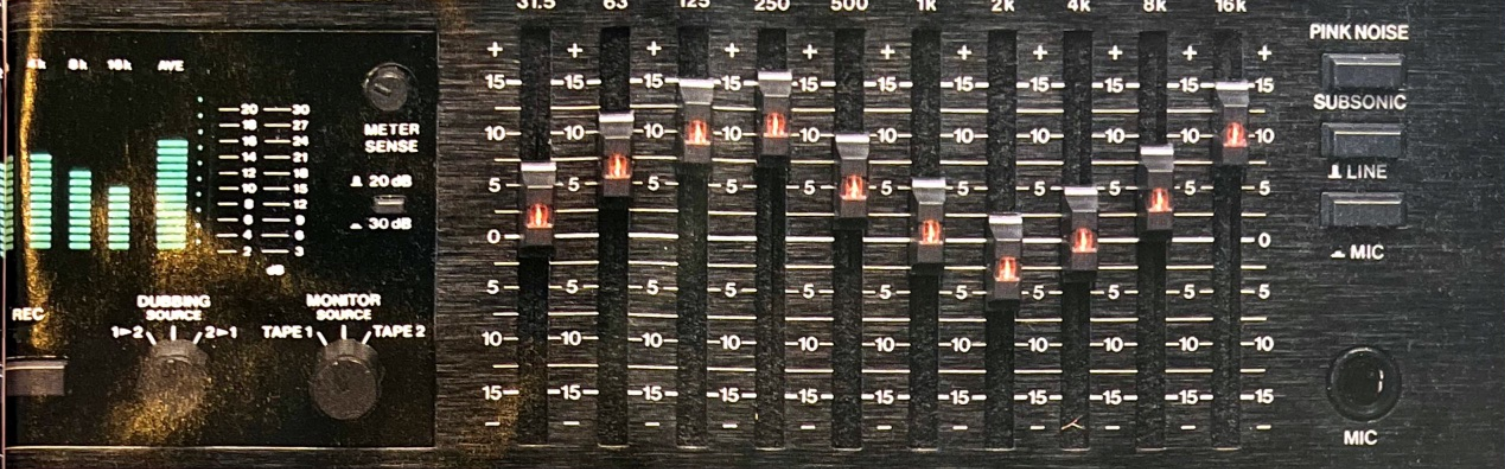
As you listen to your records, FM or any 'Aux', any time you push the tape monitor switch on your receiver you'll hear your music jump to life.

The output from your receiver is always fed directly to your tape deck(s) for recording, and with the touch of a button, you can choose to send equalized or non-equalized signal to your deck(s).

When you want to listen to a tape deck, just select which tape deck you want, turn the switch on the equalizer,

\$149 CLOSE-OUT

EQUALIZER / SPECTRUM ANALYZER



-3000

and your tape deck will work **exactly** as it did before. Except, now you can listen with or without equalization.

Look at this. You can dub tapes from deck 1 to deck 2, or from deck 2 to deck 1 with or without equalization.

THE SUBSONIC FILTER

Much of the power drawn from your amplifier is used to drive your woofers. When you drive the amplifier too hard, it clips and you end up with distortion.

A subsonic filter removes a lot of non-musical material **you can't hear** that exists below 20hz. So, it relieves your amplifier of a lot of work. It doesn't actually create more watts (Please, no letters from my 'technical' friends) for your amplifier.

But, it's like turning off the air conditioning in your car. It saves you using about 7hp of what you have. And therefore, you'll have more watts for clean powerful sounding music.

THE SPECTRUM ANALYZER

Now you can scientifically analyze your stereo listening room and test your equipment by using BSR's Real Time Frequency Spectrum Analyzer.

Plus, you'll see your music not as a single level on a VU meter, but as a kaleidoscopic parade of 10 individual 20 element VU meters.

Each is tuned to a specific octave of the sound spectrum. An eleventh 20 element meter averages all levels.

The effect is awesome. You can visually isolate a string bass or cymbal, and actually see each individual instrument almost as a wave moving across the 220 individual florescent elements.

THE MOUTH AND EARS

It talks. The Analyzer speaks with a voice of pure calibrated Pink Noise. Pink Noise is the standard composite 'sound' of all frequencies used for testing in labs around the world. All frequencies from 20hz to 20,000hz are generated at the exact same level at the exact same time.

It listens too. If you are testing a cassette or a component in your system, use the 'Line Button'. If you're testing your whole system with speakers, use the matched calibrated electret condenser

microphone (included). Either way, you'll have a quick, easy and accurate way to evaluate the total sound of your system.

HOW TO TEST SPEAKERS, EQUIPMENT AND TAPE

Testing your speakers in your listening room is the really crucial test. Simply place the calibrated microphone where you normally sit to listen to your stereo.



At the end of an 18 foot cord is the ear of the system. Just clip the mike wherever you sit and test your room.

Turn on the Pink Noise. You can switch to Left Channel, Right Channel or both. There's a meter range button, a sensitivity control, and even a switch that lets you freeze the meter.

Just sit down at the equalizer. Start with one channel. You'll see all 10 octave bands on the meter. Just slide the corresponding controls to increase or decrease any area that needs help.

You have now set up your system to its maximum capability. But as you'll see, location is very important. Move the microphone 5 feet to the left or right.

Then turn on the Pink Noise and check the Spectrum Analyzer. Now you can see why the specifications that come with your system are only a starting point.

Here's a way to test your tape deck and tape. First record Pink Noise for 3 minutes at -20VU. Then play it back and note the readings on the meters.

Now, record the Pink Noise again at 0VU or +3. Wait till you see how much the high end falls off. Now you'll see why all specifications are listed at -20VU.

With the Equalizer/Analyzer you can enjoy the finest stereo sound from your system and be a test lab too.

WHY SO CHEAP

BSR now only sells equalizers under their ADC name. Well, as Detroit comes out with new cars each year, ADC comes out with new equalizers. We got them to supply us with just 20,000 of last year's

ADC model before they shut it down.

They had already paid for all the tooling, all the research and design, so we were able to buy these for less than half the normal price, for cold hard cash.

THE FINAL FACTS

There are 20 slide controls, each with a bright LED to clearly show its position. Each control will add or subtract up to 15db. (That's a 30db range!)

There are separate sound detonation slide controls for each channel at 31.5hz, 63hz, 125hz, 250hz, 500hz, 1,000hz, 2,000hz, 4,000hz, 8,000hz, and 16,000hz.

BSR backs this top of the line Graphic Equalizer/Spectrum Analyzer with a 2 year standard limited warranty. It is 17 1/8" wide, 3 1/2" tall and 8 3/4" deep.

MAKE YOUR MUSIC EXPLODE RISK FREE

It's startling. Music so vibrant with life you'll swear it's 3 dimensional. Sculpture your music any way you want it. If you're not 100% satisfied for any reason, simply return it to DAK within 30 days in its original box for a courteous refund.

To order your BSR EQ3000 Smart Sound Detonator 10 Band Graphic Equalizer with Real Time Spectrum Analyzer and Calibrated Mike, with Subsonic Filter and Two Way Tape Dubbing risk free with your credit card, call toll free, or send your check, not for the \$379 retail value. Don't even send the \$227.97 dealer cost. Send just \$149 plus \$8 for postage and handling. Order No. 4100. CA res add sales tax.

The sound of your stereo will explode with life as you detonate each frequency band with new musical life. And, you can see and measure exactly what you've done.



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Three Ring Circus Plus

There's the roar of the crowd. There's action in all 3 rings. And, there's never a dull moment. Now you'll never have a dull moment in your kitchen, den, bedroom or dorm room with 3 electronic rings of entertainment.

By Drew Kaplan

It's exciting. There are the clowns, the color and the splendor. My kids sit transfixed every time the circus comes to town. It's hard to know what to watch with so much going on.

Well now, you will have to choose between three rings of electronic entertainment. And what a choice for a dorm room, a bedroom at home or your kitchen.

In ring 2 is a stereo cassette deck. In ring 3 is an AM/FM stereo tuner. And in ring 1 is a 13" ultra bright color TV.

Since this is a Three Ring Circus *Plus*, you'll find a digital alarm clock in ring 4. In ring 5 is an 'Aux' input that lets you add your own turntable or cassette deck.

In ring 6 are two full range super dynamic speakers (to each side of the TV) for great stereo sound from the cassette and FM, plus dual speaker sound from the TV. There are even external speaker outputs if you wish to add your own speakers.

At home, at college, at a vacation home or at the office, it's a lot of entertainment for a simply blockbuster price.

PEOPLE LIKE IT

Before we explore Emerson's special limited 6 year picture tube, 2 year parts and one year labor warranties, and before we evaluate the quality of the music, one thing is already clear.

People like it. When I opened it at the office, people wanted it. When I brought it home, my 7 year old son took one look at it and went on a full scale campaign to have it live in his bedroom.

He said, "Wouldn't I be a perfect test? I have a bedroom. I like TV. And I have a cassette collection. Please daddy?" (He won, but he's not allowed to take it apart.)

It's clear that this entertainment center is a perfect gift, even for yourself. It's unique. It's useful. It's sure to be appreciated. And, wait till you see the price.

CONTINUOUS ENTERTAINMENT

A special matrix tube produces a really vibrant sharp color TV picture. This all electronic TV allows you to set 12 preset stations. It comes preset to receive VHF 2-13, but you can change any of the unused stations in your area to receive UHF. (It's not cable ready, but look.)

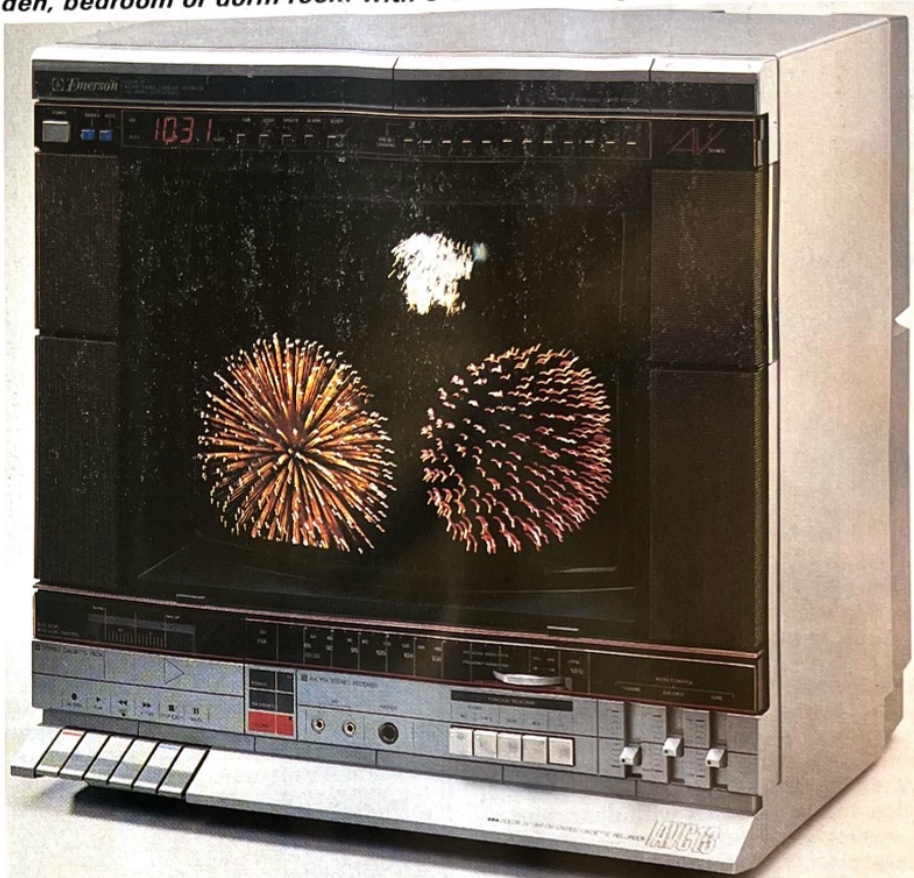
The super-sensitive electronic tuning elements in this TV allowed me to tune in my mid-band cable channels from 14 to 23. You see, with high grade electronic tuning for the 12 channels that you preset, it's impossible for Emerson to stop the tuning range at channel 13.

So, although it's not in the specs, if you have cable, try it yourself and see how many cable channels you get. And don't forget, before receiving any cable channels, check with your cable company to see if they require a fee.

If stereo TV is coming to your area, you'll be ready. There's an MTS jack on the back of this TV which will allow you to add an external stereo adaptor.

And, don't forget Emerson's unique warranty. Wow, up to 6 years of protection. You're going to be able to enjoy all the entertainment for a very long time.

RING 2



It's time for beautiful music. Just pop in a cassette and you'll have great sound from the built-in cassette deck. The full range speakers, while they certainly aren't awesome power monsters, produce a much better sound than you'd expect.

You'll enjoy full rich bass and clean highs. And, you'll be really amazed at the quality of the electronics of this system if you add your own speakers. And don't forget, you'll hear TV sound, AM/FM Stereo sound as well as the cassette through the internal or external speakers.

The cassette deck is direct coupled to make great sounding recordings from the AM or FM stereo tuners. Plus, it records the TV sound. By using the built-in digital alarm, you can set the recorder to record any program while you are out.

For example, you can set the recorder to record a presidential news conference on AM at 1 PM while you're at work. Or, record the audio portion of 60 Minutes from TV if you're out Sunday night. I often record 60 Minutes and then listen to the tape in the car. It's phenomenally convenient to have a timed recorder.

RING 3

Just wait till you tune in your favorite FM stereo stations. You'll have great sounding music from the sensitive tuner. Start at 88 on the FM dial and count the stations that you receive clearly. Then, do the same thing with the tuner in your stereo system. You just may be shocked at the comparison.

And don't forget that it's clock radio,

complete with high/low dimming, a sleep switch which lets you go to sleep to TV, FM or AM, and be awakened by the same in the morning.

And, don't worry about being awakened. There is a provision for you to put in a standard 9V battery to protect your time setting in case of power failure.

It's only 18½" wide. But wait till you hear the sound and see the picture.

A THREE RING CIRCUS RISK FREE

Circuses come and go. But this 3-ring electronic entertainment center with its long term Emerson protection will keep you entertained for years.

If you're not 100% satisfied, simply return it in its original box within 30 days for a courteous refund.

To order your Emerson Three Ring Circus Plus, with 13" Vibrant Color TV, Stereo Cassette Deck and AM/FM Stereo risk free with your credit card, call toll free or send your check for, and look at this, just \$269.90 plus \$14.50 for P&H. Order No. 4331. CA res add tax.

As a gift or as an addition to your home or office, it's first class entertainment all the way.



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\$99.⁹⁰ EARTHSHAKER



Crooning Titan

You'll experience melodious but thunderous sound at home or on the road from this bi-amplified audiophile portable with subwoofer, stereo enhancer and 5 band equalizer.

It's rich. It's deep. And it's powerful. This portable has the sound and features you'd expect from home stereo.

In fact, when you are at home or at the office, it makes a great second stereo system, with its rich expansive bass and vibrantly alive highs.

You'll have superb sounding FM stereo, AM and cassettes. And just wait till you experience the powerful bass supplied by the separately amplified subwoofer.

And that's not all. When you switch in the 'Stereo Wide' electronic enhancement, the 22" width of this portable seems to increase to 3 or 4 feet.

COLOSSAL SOUND

Forget boom box sound. Now you can have bi-amplified, equalized and enhanced sound wherever you are.

Most portables have 'Tone' controls or at best, bass and treble controls. Now you can turn up the bass at 100hz or the high end at 10,000hz without making a singer sound muddy or raspy.



The 5 band EQ lets you sculpture the sound just the way you like it at 100hz, 330hz, 1,000hz, 3,300hz, and 10,000hz.

The highs will be dramatically reproduced by a pair of clean piezo tweeters. The mid-range and mid-bass is smooth and flat. It's produced by the outer mid-range/low-end speakers. But, wait till you hear the low bass.

Just switch in the separate electronically crossed-over amplifier and twin 'super woofers' to add earthshaking depth

and fullness to your music.

By separately amplifying (bi-amplifying) the low bass, and not letting it clip (overload) the left and right channel amplifiers, you can maximize the acoustical detail of your mid-range and high end sound while you bring your bass to life.

Because this electronic crossover allows some frequencies as high as 400hz to reach the separate amplifier and woofers, it may be pushing credibility to call these true subwoofers. But, you'll be amazed at the power, punch and tightness of the bass from this portable.



EVEN BIGGER THAN IT LOOKS

The speakers across the front provide a continuous 22" wall of sound. The woofers in the center don't effect stereo separation because very low frequencies are totally non-directional.

But, 22" isn't a lot of separation to really key into reality. So, there's a 'Stereo Wide Circuit'. When you switch in this circuit, it affects only the highs and provides the illusion of up to 3 or 4 feet of separation between the channels.

So, you'll have vibrant highs, massively powerful bass, a clean mid-range and great separation for just \$99.90. Wow!

ALL THE MUSIC

Powerful AM and FM tuners with a large slide rule dial let you pull in even distant stations. At home or away, you're going to have great reception.

The cassette deck allows you to record and play metal or normal tapes. It is direct-coupled to make great recordings from the built-in mikes or from its built-in mike. You can also plug in your own

external mikes. It also has one touch record, auto-stop and a tape counter.



You can operate this portable on AC (cord attached), by standard D batteries (not included), or by 12V DC from your car (cord not included). It's made by Unitech and backed by their limited warranty.

A CROONING TITAN RISK FREE

This silver-tongued music maker will amaze you with both its purity and its power. It's perfect for the bedroom, den, office or out in the yard.

While it's the ideal portable, it sounds so good at home you'll hate to take it on the road. If you're not 100% satisfied, simply return it in its original box within 30 days for a courteous refund.

To order Unitech's Crooning Titan Portable with 5 Band Equalizer, Bi-Amplified Subwoofer, and 'Stereo Enhancing Circuit' risk free with your credit card, call toll free, or send your check for DAK's earthshaking price of just \$99.90 plus \$7 P&H. Order No. 4316. CA res add tax.

Why be tied down to one room to listen to your favorite cassettes or radio stations? Now you can have really great sound anywhere in your home, your office or in the great outdoors.



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Unshackle Your Receiver

Infuse your own receiver with 440 watts, 220 watts per channel, of earthshaking, mind boggling sound power. Thrill in the realism of truly massive audiophile power. Wait till you hear the true sonic drama of a CD.

Make the earth move. Shake your home to its very foundations. Your stereo system will explode with life.

Just insert this 440 watt (220 X 2) audiophile amplifier between your receiver and your speakers by using the special 'black box' interface (included).

The sonic difference between this amplifier's sound and a typical 30 to 50 watt receiver, is as dramatic as the difference between AM and FM Stereo.

And wait till you hear a CD. Here's an amplifier with all the headroom, dynamic range and power you could want, to unleash the full earthshaking dramatic impact that a CD can bring to your stereo.

USE YOUR OWN RECEIVER

There's a 3 dimensional aspect to the sound you'll hear that will leave you breathless. Music that sounded fine before, will be muddy by comparison.

You'll hear the dynamic range of your music literally explode as the chains of small amplifier capacity are cast aside.

And, you'll be using your own receiver (forget its specs) or preamp, so you can easily compare the awesome difference.

GREAT IDEA

Bring your own system to life with 220 watts per channel, at 8 ohms, from 20hz to 20,000hz, with no more than 0.025% total harmonic distortion.

It has an actual frequency response that stretches from 5hz to 100,000hz and a signal to noise ratio of 100db.

Just as with any other power amp, it can be hooked directly to any preamp. But, Audiometric has made a special interface exclusively for DAK, that also allows it to be used with your own receiver.

Here's how it works. You attach the interface's 'black box' to your receiver's speaker terminals with the included standard speaker wire.

It loads your amp's outputs with an 800 ohm load, not the usual 8 ohm load. This means that your amplifier works virtually 1/100th as hard, so in effect, your

receiver's amplifier becomes a preamp.

And for all practical purposes, distortion headroom and frequency response won't be limited by your receiver's amp.

The output from the interface feeds through standard patch cords into the amplifier. You'll use your receiver or preamp's controls exactly as you do now.

FULL COMPLEMENTARY BALANCED BRIDGE

This system of amplification includes speaker behavior within the scope of amplifier performance. A Balanced Bridge amp **forces** the speaker systems to exactly reproduce the musical signals.

Technically speaking, the Balanced Bridge system is like a combination of 4 amps. It's almost as if there were two amps for each channel.

The positive side of each speaker system is driven by one amp and the negative or ground side is driven by the other. So, the speaker itself actually becomes **the interactive part** of the amplifier.

This system literally assures perfect symmetry of the positive and negative sides of each cycle, and absolutely locks the speaker into compliance.

THE BOTTOM LINE

This Full Complementary Bridged Amplifier will deliver authentic musical truth. It has a super fast slew rate, transient intermodulation distortion (TIM) is not discernible, and because the transistors never shut off, you can just about forget crossover or notch distortion.

The difference you'll hear with this amp won't be subtle. The music just seems to expand. At low levels there's a richness of sound that's breathtaking.

At high levels, you won't experience compression or clipping distortion that smaller amps suffer as they try to produce full orchestral passages.

Most people think that more power (more watts) just makes for louder sound. That's not even half true. High power makes for clean, pure, unrestrained trans-

parent sound at any listening level.

AUDIOMETRIC

Audiometric is an upscale division of one of America's leading audio manufacturers. The last time we ran a component from this company, they had so many dealer complaints about our low discount pricing, that they really don't want us messing things up again.

So, while many other 200+ watt audiophile amps sell for up to \$1000, from DAK and only under the Audiometric name, you'll have incredibly pure powerful sound for just \$299.

It is 19" wide, 12 1/4" deep and 3 1/2" high. And, it's backed by The Manufacturer's 2 year limited warranty.

TRY THUNDERING REALISM RISK FREE

Try this power amplifier in your own system. If you already have CD, revel in a CD's true capacity for dramatic impact. If you don't instantly hear incredibly better musical sound from any source through your own speakers, return it in its original box within 30 days for a refund.

To order your 440 watt Audiometric 441 Digital Ready Power Amplifier with 220 watts per channel, complete with the special interface 'black box', call toll free or send your check for just **\$299 plus \$12** for postage and handling. Order Number 9765. CA res ad sales tax.

No matter whose receiver or preamp/amp you now have, or whether or not you have a CD, the purity and thundering power of this amp will revolutionize your stereo system's sound.



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Sub-Sonic Synthesizer

It's not for everyone, but if you're thrilled by the dramatically alive bass at a live concert, and if your stereo system has what it takes, now you can synthesize the bass that can't be recorded on records and tapes.

By Drew Kaplan

It's not there. You can't boost it with an equalizer. And, you certainly can't improve it with a regular bass control.

The subharmonic bass frequencies that add startling realism and excitement to a live concert, and the feeling of fullness and warmth at low levels aren't usually captured in the recording process.

But, before we even discuss how this synthesizer **actually creates** frequencies between 27.5hz and 50hz that don't exist in your music, from frequencies in the 50hz to 110hz range that do exist in your music, let's look at your equipment.

NOT FOR EVERYONE

First, let's be practical. If you don't already have an equalizer in your system, this Sub-Sonic Synthesizer isn't for you.

An equalizer is the single most important sound enhancement device you can add to any system to literally make it explode with life. And, that's where I'd improve my system's sound first.

While an equalizer boosts frequencies, the synthesizer creates new frequencies to bring exciting life to your music.

Most records and prerecorded tapes are rolled off at 50hz because the record grooves can't handle lower signal, and tapes are easily saturated by low bass.

Very low bass consumes a lot of power. So, this synthesizer will certainly overload your amplifier and cause clipping if you don't have at least 35 watts of power per channel (50 watts is better).

You'll appreciate the sound improvement if your speaker systems have 10" woofers, but you should hear it with 12", or 15" woofers, or even a subwoofer.

Finally, your speaker's power handling capacity must at least equal your amplifier's output. **If you get the idea that you're going to be adding a lot of exciting bass power, you're right.**

But don't worry, at 28hz, 34hz, 40hz and 50hz, the bass will be powerful but not boomy, awesome but precise, and thundering but totally realistic.

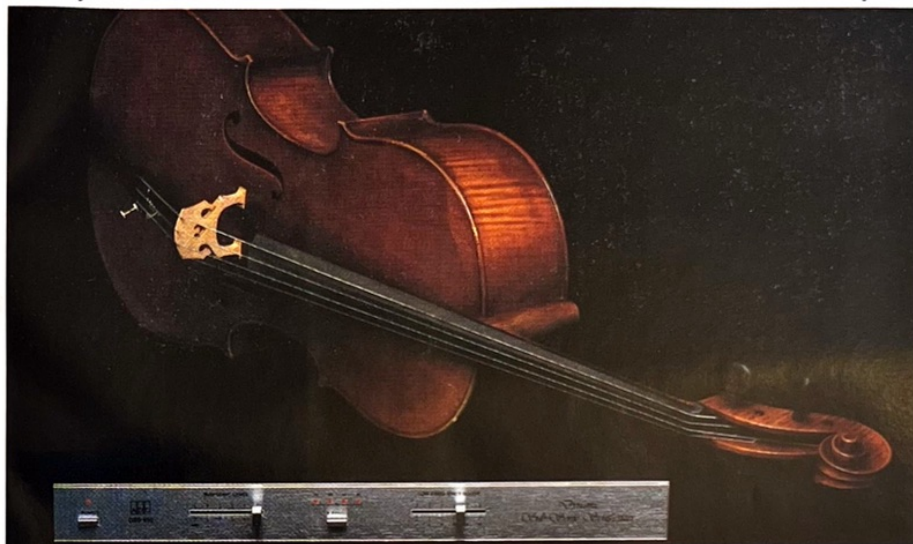
You see, every frequency has harmonics, and all you are doing is re-inserting the original harmonics. Even with CDs, you can add powerful subharmonics that improve their phenomenal sound.

In fact, part of why they sound so good is that they come closer to naturally reproducing these synthesized frequencies than any previous recording medium.

WHAT YOU CAN EXPECT

ADC says of this synthesizer which they sell to night clubs where records are played, "By re-creating the natural subharmonics that were taken out during the recording process, music takes on a new life, a new power. It has to be felt to be believed."

And felt is the operative word. ADC warns that it isn't for apartment dwellers



because these low frequencies move like an earthquake through neighbor's walls.

At very low levels, you'll enjoy an enriched fullness that will make your music caress and lull you. It almost seems to wrap itself around you.

At normal listing levels, your music will have an electric charge that you will feel as much as hear. The floor will shake, and your body, not just your ears, will be part of the listening experience.

At high levels, turn down the synthesizer. Most likely neither your amplifier, speakers nor walls can handle the load. What's really exciting about the synthesizer is that you don't have to crank up your stereo to enjoy the benefits.

EASY INSTALLATION

Just insert it **after** your tape deck in the tape loop or between your preamp and amp. (Plug your cassette deck into the synthesizer and the synthesizer into your receiver.) You really can't capture its massive subsonic bass on tape.

So, for jazz, pop or classical, with your FM, AM, cassette deck, CD and turntable, you'll have a vibrant infusion of dramatic bass.

HOW IT WORKS

The synthesizer doesn't affect any existing frequencies, so your signal will be as clean as it is now. It samples all bass frequencies between 55 and 110hz.

It synthesizes corresponding frequencies exactly one octave lower (frequencies between 27.5 and 55hz) and mixes them back in. You control the added frequencies for up to a 9db boost. LEDs show the 28hz, 34hz, 40hz and 50hz areas of synthesized concentration.

There's also a Low Frequency Boost that operates from about 50 to 100hz, to 'fill the gap' left between the powerful synthesized sub-bass and the actual bass.

You'll be amazed at just how high in

'hz' most of what you now think low bass really is. For example, a cello's primary sound (I used mine for the picture above) only goes down to about 70hz.

But oh, when you play the instrument do you feel and hear the lower harmonics! It just may be my orchestral background that has made me such a lover of equalizers, subwoofers and now the subharmonic synthesizer.

You get used to a richness of sound. And, when you don't hear it, you don't feel your music is fulfilling and complete. ADC's Sub-Sonic Synthesizer fulfills my need for deep rich, vibrant bass and I think you'll enjoy it as much as I do. It's 17 1/4" X 1 3/4" X 7 1/2". And it's backed by ADC's limited warranty.

THUNDER IN YOUR LIVING ROOM RISK FREE

Yes, it adds thunder. And yes, it adds dramatic impact. But what I like best is the fullness and depth of sound I get.

If you're not 100% satisfied, simply return it within 30 days in its original box for a courteous refund.

To order your ADC Sub-Sonic Synthesizer risk free with your credit card, call toll free, or send your check for DAK's truckload price (we bought 5000 to get this price) of just **\$149 plus \$6 for P&H**. Order No. 4302. CA res add tax.

If you're a musician, as I laughingly think I am (I'm not very good), you're already familiar with octaves. Just wait till you hear what adding a new octave to your stereo will do for your sound.



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\$129 PRICE EXPLOSION



\$5 Bonus Word Processing

Apple IIE & IIC, IBM PC, And Commodore 64

Forget complicated programming. If you can hunt and peck on a typewriter you can turn out flawless reports and letters with your computer in minutes.

And if you want to fix a mistake, or if you want to improve a sentence, it's just \$5 and a push of a button away with DAK's new Bonus Word Processing Programs available with Purchase of this printer.

The Complete Computer

Let your computer print letters or reports for you on plain paper at 50 characters per second. You can use this dot matrix printer with virtually any home or office computer. It's incredibly easy to use. And, it's built tough. Plus, it even prints graphics. ~~Price Slashed to \$129.~~

By Drew Kaplan

Energize your computer. From writing letters to listing programs, your computer can be phenomenally more useful when you use this printer.

It uses **plain paper** and it's super reliable. It prints both upper and lower case characters. And, if you aren't using a printer with your computer, read on.

LISTING/INDEXES/LETTERS AND MORE

Experience the thrill of actually writing your letters and reports on your computer. Now you'll be able to use all of your computer's word processing and **correcting** capabilities to really explore your creative talents.

I can't overemphasize the convenience of never having to retype a letter or a report because you find a misspelled word or a sentence you'd like to change. Or, think of how easy it will be to sort out a problem in a program when it's on paper.

And, DAK's new \$5 Bonus Word Processing Programs are so 'user friendly' that you can learn to use them in just about 10 minutes.

You can change a line, move a line or save a file. It's all just a push of a button away. This printer and any word processing program can release the real power of your computer.

Programming is fascinating, games are fun. But, a risk free 30 day in-home trial of this computer printer should

really show you just how much your computer can really do for you.

PERMANENT RECORD

If you have a modem, you're in for a treat. You can access encyclopedias, stock market reports, and much more.

With a printer, you can get a 'hard copy' of all the incoming information. You can get everything from SAT test simulations and IQ tests to loan amortization schedules and Airline flights.

And, you won't have to load a bunch of disks to find a program when you print out a menu for each of your disks.

AFRAID OF PROGRAMMING?

You don't need to know the first thing about programming to use this printer. Now, using a computer word processor is as easy as typing on a typewriter.

LOOK AT ALL IT DOES

An ad in several computer magazines listed a \$149 thermal printer (that needs expensive thermal paper) as the lowest priced printer in the U.S.

Imagine a 50 character per second dot matrix printer that prints a full 80 column (80 characters) wide line. Plus, it has a built-in standard Centronics Parallel Interface.

This printer handles plain old cheap standard fanfold pin feed computer paper from 4.5" to 9.5" wide, with its built-in adjustable tractor pin feed drive.

It's so powerful you can even use two-part forms for a carbon copy. Plus, there's

an impact control for print darkness.

It understands and prints 116 upper and lower case characters, numerals and symbols. And that's not all.

You can even print Double Width characters. **And, look at this.** This printer has full graphic capabilities with 480 dot horizontal resolution and 63 dot per inch vertical resolution. So, you can print out your pictures, pie charts or graphs.

Just like a typewriter, it prints 10 characters to the inch across the page and six lines to the inch down the page.

When hooked to your computer, you'll never have to retype anything again. Just make the correction and let the computer retype your work for you.

The printer is made by C.I.TOH/Leading Edge in Japan. It's built to really take heavy use. And it's backed by Leading Edge's standard limited warranty.

It takes standard long life inked ribbon cassettes that are readily available nation-wide. This is a printer that will give you many years of continuous reliable service and enjoyment.

AND NOW THE BAD NEWS

If you're the president of a large corporation, sending important business letters, you may want a \$1000 daisy wheel printer. But for most uses, dot matrix printers are incredibly faster, and there isn't any way to print out a graph or picture on a daisy wheel printer.

But, there are two things you need to

know about this printer. First, it has about the dumbest name I've ever seen. It's built tough and rugged. So, they named it The Gorilla Banana Printer.

Second, like many dot matrix printers, the letters g, j, p, q, and y are level with the other letters. Each letter is completely and perfectly formed, but each sits level with the rest of the alphabet.

Upper case letters and symbols are unaffected. So, if you don't want letters that look like they were printed by a computer, this printer isn't for you.

But for most letters, term papers, reports, or programming it's perfect.

COMPATIBLE COMPUTERS

Any Computer with a standard Centronics parallel port, such as: Apple, Franklin, IBM PC, TRS80, Osborn, Atari, Commodore VIC 20, Commodore 64, Kaypro, and virtually any other personal computer. Plus, most briefcase portables.

FEAR OF INTERFACES?

Your computer is smart. But, it doesn't know how to 'talk' to other devices. That's why you need an interface.

An interface isn't just a cable. It's actually an intelligent translator that lets your computer talk to other equipment.

Usually, the computer manufacturers don't include the various interfaces when you buy your computer because they don't know if you'll ever add peripherals, such as disk drives, printers or modems.

So, rather than sell you something you don't need, you don't buy an interface until you add onto your computer.

There are two types of printer interfaces. The first allows you to do text word processing. For 99% of computer use, this is all that is needed. It translates all the possible letters and punctuation known as ASCII.

A second type of interface also allows you to dump pictures or graphics from your screen or memory. This is more complicated because each individual dot must be told where to go. This interface, or 'driver program' as it is called, is available in two forms: built into an interface, or as a program on a disk which you use with any standard interface.

Either way, you'll have the printer operating in just a few minutes. And if you already have a printer, the same Centronics parallel interface and cable (about 85% of all printers are compatible) should work with this printer.

WHY SO CHEAP

A new model will emerge soon with a different name. Leading Edge had just 28,000 of these remarkable printers which have been selling at discount for as little as \$199, left in stock.

DAK bought them all for cold hard cash. And now we're offering them to you for less than the original price we were quoted as wholesale.

The printer is approximately 16½" wide, 9" deep and 7" tall. It's backed by Leading Edge's standard limited warranty.

ADD PRINTING POWER TO YOUR COMPUTER RISK FREE

Now you can really make your computer work for you. Now you can print out your programs, your reports, your notes and your letters.

If you're not 100% satisfied, simply return the printer, and any accessories and bonuses in their original boxes to DAK within 30 days for a refund.

To order your 50 Character Per Second Dot Matrix, Plain Paper Printer with a built-in Centronics Parallel Interface, risk free with your credit card, call toll free, or send your check for the breakthrough ~~close-out price of just \$129 plus \$8 for postage and handling to DAK.~~ Order No. 4101. CA res add 6% sales tax.

Note: If you need a serial printer for a computer, such as the TRS80 Color Computer or Apple IIC, order the identical printer with a built-in Serial Interface for the same price. Use Order No. 4102.



PRICE SLASHED
DAK sold over 15,000 for \$129
NOW JUST \$89.90

Use Order Nos. 4101 or 4102 plus (\$8 P&H)
Don't let the low price fool you. This is a rugged, reliable printer that you'll use for years. If you have a computer without a printer, it's likely to end up in the closet.



With this printer you can alter your graphics as you desire. You can print normal or reversed (both shown above, greatly reduced to fit in this catalog) and you can even print double size.

The Printer comes packaged with a long life ribbon. Extra ribbons are available at computer stores. DAK has them for \$4 each (\$1 P&H) Order No. 4103.

Standard Centronics Interfaces for your computer are available at any computer store. This Printer has its receiving interface built in. You simply need one, complete with its cable, to plug into your computer 'to send' information. Below are our favorites for 5 of the most popular computers.

FREE FREE FREE FREE

No big deal, but we're adding 10 sheets of standard 8½" X 11" continuous form paper to your order. It's worth less than 10 cents, it's available everywhere, and it's yours to keep but it will let you try out your new printer the moment it arrives.

SUPER BONUS \$5 WORD PROCESSING

We have powerful bonus word processing programs for \$5 with editing, including changing a line, moving a line and saving a file.

While you can choose just about any word processing program to energize this computer printer, DAK has developed incredibly easy to use programs for several popular computers.

If you own an IBM PC, an Apple IIE, an Apple II or II Plus with an 80 column card, the new Apple IIC or a Commodore 64, \$5 will bring phenomenal power to your computer. Just use the Order Numbers below.

If you own any other type of computer, standard word processing programs are

available at any local computer store.

For your Apple II, II Plus or IIE. We have Practical Peripherals' text interface for just \$49 (\$2 P&H) Order No. 9877. We have their graphics capable interface for just \$79 (\$2 P&H) Order No. 4104. If you already have a Centronics Parallel Interface, we have a graphics driver program on disk for just \$7 (\$1 P&H) Order No. 4105. Just add \$5 (\$1 P&H) Order No. 4217 for the Bonus Word Processing Program on disk.

For your Apple IIC, you have two choices. It has a serial output, so all you need is a cable for just \$18 (\$2 P&H) Order No. 4224 for text word processing. (Order the Serial Printer No. 4102.) If you wish to produce graphics as well as text, we have a special interface that converts the IIC to Centronics Parallel. Use it with its included graphics driver disk and you can produce text or graphics for just \$69 (\$3 P&H) Order No. 4225. (Order the Parallel Printer No. 4101.) **Our Bonus Word Processing Program** is a perfect companion to either printer for just \$5 (\$1 P&H) Order No. 4217.

For your IBM PC, you don't need an interface. It's usually already built in. But, you do need a cable. We have a cable, ready to connect this printer to your computer, for just \$19 (\$2 P&H) Order No. 9879. We have a graphics driver program on disk for just \$7 (\$1 P&H) Order No. 4106. Just add \$5 (\$1 P&H) Order No. 4218 for the Bonus Word Processing Program on disk.

For your Atari 800, 800XL, 400, or 600XL, we have a text interface for just \$69 (\$2 P&H) Order No. 9881. We have a graphics driver program on disk for just \$7 (\$1 P&H) Order No. 4107.

For your Commodore 64 or VIC 20, we have a text interface for just \$39 (\$2 P&H) Order No. 9883. We have a Graphics Interface for just \$54 (\$2 P&H) Order No. 4108. Just add \$5 (\$1 P&H) for the Bonus Word Processing Program for the 64 only. Order No. 4122 for Disk, or No. 4123 for Cassette.

For most TRS80 Computers, you don't need an interface, just a cable. For the Black and White Computers, we have a Parallel Cable for just \$18 (\$2 P&H) Order No. 9885. For the Color Computers we have a Serial Cable (you need the Serial Printer as well) for just \$18 (\$2 P&H) Order No. 4109.

For briefcase-type portables, the Centronics Interface is usually built-in. Just stop by any computer store. All Centronics Printers use the same cable at the printer end, but you'll need a cable that fits your particular computer's plug.

Get hard copy print-outs of your programs or your graphics. Turn your computer into a powerful word processor. Forget retyping ever again. For just \$129 you can make your computer complete.

Apple, Atari, IBM PC, Franklin, Commodore VIC 20 & 64, TRS80, Osborn, and Kaypro, are registered trademarks of Apple computer, Atari Inc., International Business Machine Corp., Franklin Computer, Commodore Electronics Ltd., Radio Shack/Tandy, Osborn Corp. and Kaypro respectively.



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8200 Remmet Ave., Canoga Park, CA 91304



Gary's Revenge

We lost a battle. So now, just \$299 will bring you a front loading, Cable Ready, VHS video recorder with wireless infrared remote control and 14 day 4 event programmable recording.

By Drew Kaplan

We were embarrassed. We were upset. And, although we may have lost a battle, now we're going to win the war.

Last September we introduced a video recorder for Emerson that we thought would scoop the market. Well, by December, our scoop was being scooped.

And when DAK gets scooped, we don't just apologize, we pay. If you buy anything from us and find it advertised for less within 30 days, just send us the newspaper or magazine ad and we will issue you a merchandise credit.

So, by December we were really licking our wounds and plotting our revenge. Enter Gary, Emerson's Western Regional Sales Manager. Gary brought us the original recorder, for a very good reason.

Many of DAK's sales are in the Midwest and East, so we can sell tens of thousands of recorders without bothering the rest of his Western Region.

And, that's good for Gary because it makes his sales look real good at the expense of the Midwest and Eastern Regional Managers.

So, this time Gary has brought us a recorder **we think can't be beat**. With its 105 channel cable ready capacity, its wireless eleven function infrared remote and DAK's \$299 price, we challenge anyone to compete.

But, before we examine just what this 4th generation, **Japanese crafted** video recorder can do for you, let me share 3 real life reasons why you really should own any video recorder.

THE HARRIET FACTOR

Harriet is my wife's old team teaching partner. She had never had a video recorder. So, we gave her one. Several weeks later she called, absolutely elated.

She was recording The Phil Donahue show every day and watching it when she got home from school. She had also recorded several movies on cable that she kept missing while she was at work.

My parents are another story. They've

had a recorder for years (being my parents has its advantages). My parents have two loves, concerts (my mother is a concert pianist), and UCLA Basketball.

They go to concerts several nights a week and tape the UCLA games while they're out. Then if you can believe this, they make popcorn and stay up to watch the game till 1:30AM. Anyway, they just love their recorder.

Finally we have my wife's parents. **And this is really important.** We gave them a recorder and they didn't know how to hook it up. It never occurred to me that there was anything to hooking up a video recorder.

Just unhook the antenna from your TV and connect it to the recorder. Then connect the cable (included) between the recorder and your TV, and record.

Anyway, my father-in-law gets up at about 5AM, so they go to bed very early. Once they hooked up their recorder they discovered a whole world of late night TV. Now they watch Dynasty during dinner. And, look at this. They had never stayed up to see the Johnny Carson show.

Wow, a video recorder can let you watch what you want when you want without being restricted by your work, social life or sleep.

If you're like me, you probably won't tape and save. There aren't many movies that I want to see more than once or twice. But, wait till you see how convenient it is to plan your viewing hours to fit your own schedule.

LOOK AT ALL YOU GET

From the moment you put a video cassette into the front loading motorized slot and see it automatically drawn into the recorder, you'll appreciate the quality.

ELECTRONIC TUNING. This recorder's synthesized tuner can tune in VHF channels 2-13 and UHF 14-83. Plus, you'll also be able to tune in 23 Mid Band and High Band Cable Channels.

You can choose any 12 channels from any band in any order you like for instant

one touch tuning at the recorder, or step through them from the infrared remote. **4 EVENT/14 DAY PROGRAM CAPABILITY.** You can select any 4 programs over a two week period to record.

So, if you're going on vacation, you can keep up with weekly series while you're gone, even on different channels.

The timer is extremely easy to use. You'll record shows you miss when you're out, shows that you want your children to see at a more appropriate time and important events that you'll want to keep.

Plus, you can watch one show on your TV while you record another.



WIRELESS INFRARED REMOTE.

From system power to changing channels, you're in full control. If a remote seems to simply smack of posh luxury, look at what it can do for you.

You can touch the still frame button and freeze the action. Now you can really tell if the umpire was correct or not.

You can play the same movement over and over again until you are absolutely sure of what you've seen, while you relax

Next page please. . .

... Gary's Revenge Continued in your favorite viewing chair.

If you want to find a certain part of the tape, use the high speed forward or reverse scan to 'visually' fast forward or rewind.

AND MORE. There's a digital clock/timer and even a tape counter. LED's show all the functions. And, there's even a picture sharpness control.

There are both high and low speeds for up to 8 full hours of recording. And finally, when a tape reaches the end, it will automatically rewind.

It's made by Emerson. And, it's backed by their standard limited warranty.

WHY THIS RECORDER

Other than its super features, great picture and DAK's revenge pricing, there are 3 reasons to choose this recorder.

1) With a cable ready recorder you can watch one cable show and record another. 2) By using the tuner in this recorder, you'll turn any TV into a remote control Cable Ready TV. 3) You may not have cable yet, but when it comes to your area you won't need a new recorder.

ENJOY VIDEO FREEDOM RISK FREE

Wait till you experience the freedom of watching any program **when you want**. Wait till you see how easy it is.

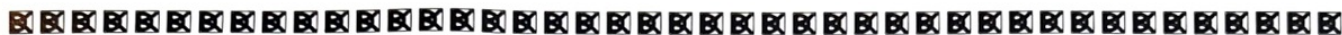
If you're not 100% satisfied with the

incredible picture quality or the automated functions, simply return it in its original box with 30 days for a refund.

To order your Emerson 105 Channel Cable Ready VHS Video Cassette Recorder with Wireless Infrared Remote Control risk free with your credit card, call toll free or send your check for DAK's breakthrough price of just **\$299** (\$9.50 P&H) Order No. 4215. CA res add tax.

Now you can watch last night's midnight show at dinner, or tonight's dinner show at midnight. And, thanks to Gary's Revenge, you can do it for just \$299.

**PLEASE USE ADDRESS AND PHONE
AT BOTTOM OF PAGE**



Unleashed TV/Video Sound

Now you can do for your ears and brain what color TV has done for your eyes, with Universal's new amplified and electronically synthesized stereo system for your TV and video recorder.

It's amazing. TV sound is really great. It is actually broadcast on the FM band.

In fact, **every one** of the great sounding FM stations from FM 88 to 108Mhz that you enjoy listening to on your stereo system, is tightly sandwiched between channels 6 and 7 on your TV.

So, why do TVs sound so crummy? Well, if you compare a \$1000 stereo system to even the best \$800 TV, you'll realize that when you bought your TV, all that was probably discussed was the picture quality, sharpness, and color purity.

The truth is that in most TV sets, all the money goes into creating the best picture quality, and the sound is left to a cheap amplifier and a 3-5" Low Fi speaker.

POWER FOR THE VIEWER

Think about the bigger than life realism that enraps you at a movie theater. It's called 'Sensory Emotional Involvement'.

The experience is a combination of the big picture and massive sound that together subconsciously cause your brain to register reality. Of course, you know it's not real (I hope), but subconsciously you have to keep reminding your brain.

It's the combination of sight and sound in tandem that act on your brain. And, it's the reason that even with a great TV picture, a single 3-5" speaker may sound loud, but it won't thunder. It may be soft, but it won't whisper.

And most important, with all the sound coming from just one point, your brain doesn't get any reality cues.

Now, without changing your TV, you can dramatically enhance the realism and sound quality by creating moving sonic cues which your brain will equate as movement in the picture.

Then you can add great fidelity with a pair of two-way specially shielded die-cast aluminum speaker systems with real woofers and tweeters.

And finally, provide enough amplified power to make a car chase come alive or an organ thunder. So, movement, fidelity, power and picture, equal reality.

SIMULATED STEREO PLUS

In a world where our brains are attuned to the sonic impact of stereo music, nothing turns off the feeling of reality more quickly than a single sonic source.

You get two different signal processing choices. Just running your TV signal to two speakers and amplifying it will increase the fidelity dramatically, but it



won't make the sound come alive.

The signal has to be altered. And, with Universal's new Amplified System for your TV or Video Recorder, you can select either of two realism enhancers.

When you switch to 'Simulated Stereo', you will be dividing and sending sonic data from about 500hz to 3,000hz to the sides of your room. These critical frequency areas largely determine where your brain perceives sound is located.

When you switch to 'Stereo', you will be altering the 'phase sensitive' elements of the entire musical spectrum.

This will tend to give you a wider, fuller sound for music. So, if your eye sees movement as a scene unfolds, and your ear senses movement or width of sound, your brain equates realism.

The Speakers. Twin two-way speaker systems with a wide frequency response produce simply vibrant sound. You'll hear sounds that you never knew existed.

You'll hear footsteps creak and doors open as your sound takes on realism. And, string basses, violins, and trumpets will emerge from the murk.

The Amplifier. Connect the two-way speakers to the amp (cables included). Then connect a cable (included) from the amplifier to either your TV's earphone jack (plug included) or your video recorder's output jack and get ready for a shock.

Universal's Amp has built-in ANR auto-

matic noise reduction circuitry which cuts out hum and noise caused by TVs without sacrificing the high end. So, you'll have sonic placement, rich full sound and virtually no annoying noise.

It's made by USI, a leader in electronics since 1969. It's backed by their standard limited warranty.

UNLEASH YOUR TV'S SOUND RISK FREE

In your living room, bedroom or kitchen, now you can have really realistic, emotionally charged sound for your TV. If you're not 100% satisfied, simply return it to DAK in its original box within 30 days for a courteous refund.

To order Universal's Amplified Synthesized Stereo System complete with Two-Way Speaker Systems risk free with your credit card, call toll free, or send your check for DAK's breakthrough price of just **\$79.95** plus \$6 for P&H. Order No. 4241. CA res add tax.

Now you can add rich sound and realism to your TV for just \$79.95 Wow!



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Not for Resale



Family Tutor

Give your entire family a private electronic tutor with expertise in 40 different educational and entertainment fields. For DAK's incredible \$169 close-out price, you'll get a 64K computer, a data recorder and 2 joysticks. It was a \$311 retail value. Plus, you'll get a \$295 retail value, 40 volume learning library.

By Drew Kaplan

It's you and your children against the computer. They'll think they're just playing computer games as their minds are stimulated and filled with a wide ranging array of knowledge.

But, it's no game. In addition to the 40 volumes of software, this 64K computer will open the whole world of computer literacy to your family.

While I'm dying to tell you all about the 40 volumes of software, first I've just got to tell you a little about the computer. Of course, you don't need to know a thing about programming to use the software.

It's 16" wide with a full size 87 key, full-stroke, professional keyboard. It has a numeric keypad for rapid entry of numeric data. And it has 32,000 bytes of Read Only Memory (ROM) to store 'Basic'.

It has 64,000 bytes of Random Access Memory (RAM) for you to use in entering your programs. And, its central processing is done by a Z80 processor.

Plus, look at this. It has 16,000 additional bytes of RAM that it uses for phenomenal color graphics. And, you'll have full graphic manipulation.

You can easily create Graphics and even Sprites, (moveable objects on the screen) and program their movements or control them with the included joysticks.

So, instead of just playing video games, you'll create rockets that move and shoot at your command. And, you'll have 16 programmable colors and you can pro-

gram up to 32 sprites at one time.

Plus, you can use the computer's built-in graphic symbols, as shown below.

Q	W	E	R	T	Y	U	I	O	P
A	S	D	F	G	H	J	K	L	
Z	X	C	V	B	N	M			

You'll have 3 sound channels and 8 full octaves to really let your creativity soar. You'll produce music and sound effects that will knock your socks off.

Note: Everything we've discussed is part of the computer. We haven't even put the first of the 40 software programs in. It's all explained in an easy to understand 192 page tutorial user's manual.

HARD TO BELIEVE

In less than 2 hours, you can be programming simple shapes and filling them in with different colors. In a few more hours, your shapes will be moving. And a few hours later, GOTO, PRINT, and FOR-NEXT Commands will be easy.

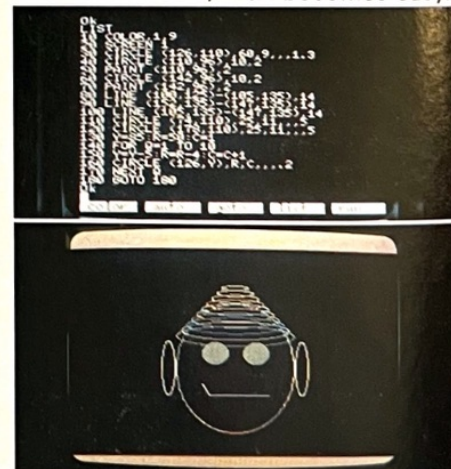
It happens so fast because of the programming keys built into this computer and the unique tutorial instruction manual that takes you on a step by step journey through 'computerese'.

Stop right here. After you've set up the computer, if you think I've exaggerated how easy it is to learn programming, return it. We'll pay postage both ways!

IT'S SO EASY

Here's a sample program from the

manual and its result. It may look like a silly face, but wow will you have learned a lot. Lines 40 and 50 are the left eye. After a few hours, it all becomes easy.



OPTIONAL WORD PROCESSING

The only option, other than an \$8 cable you probably don't need, is a Centronics Parallel Interface, a Cable and a Computer Word Processing program.

It's just \$59 complete. Wow! Use our Gorilla printer or your own, and you can type letters, reports, or list programs.

EASY TO SAVE

Any program or report that you create, you can save on ordinary audio cassettes with the data cassette recorder.

A LIBRARY OF KNOWLEDGE



ALL THE LEARNING

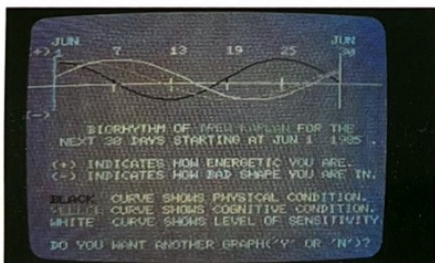
It took my 12 year old, my 6 year old and myself (I'm 38) over a week of concentrated effort to briefly test all 40 of these programs. So, you'll find education and entertainment for **all ages** with the computer and the software.

What we found was a never ending supply of knowledge, really challenging games and fantastic graphics.

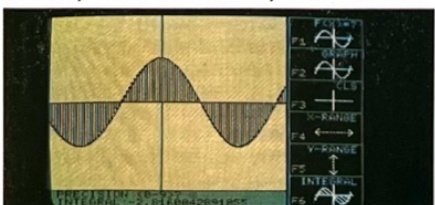
From 3-D Maze to Memory Trainer, from U.S. Presidents to Graphing, we were entertained and challenged.

It will take months for my family to thoroughly work our way through this vast library. Here's what you get.

- 1) **ACUTYPE**-One of the most useful skills for furthering education is typing.
- 2) **ADDRESS BOOK**-Always organized.
- 3) **ARMORED ASSAULT**-Man your tanks.
- 4) **BIORHYTHM**-No comment. I've run mine and I'll see if I think it works.



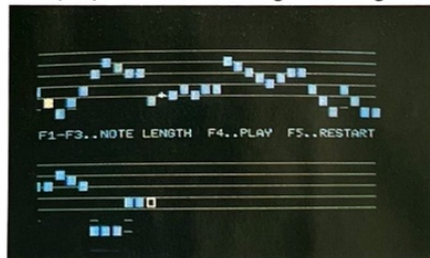
- 5) **COMPATIBILITY**-Will you get along?
- 6) **FINANCIAL CALCULATOR**-Great figure your mortgage, depreciation, etc.
- 7) **FINDIT**-Word search education.
- 8) **FONT EDITOR**-Design your own alphabet. It's fun and it's secret.
- 9) **GRAPH MASTER**-Lets you display visually what would only be numbers.



- 10) **INTRODUCTION TO BASIC**-Note: This cassette has dozens of sample programs that will show you things you can do. First type 'Run' to see them work. Then type 'List' to see how it's done. Wow, did I learn some neat things.

And, there's a 35 page manual.

- 11) **JUNO LANDER**-A soft landing?
- 12) **KILLER CAR**-Bump-car, careful.
- 13) **KUNG FU MASTER**-Fast and hard!
- 14) **MASTERBRAIN**-Guess secret No.
- 15) **MAZE CUP CHAMPION**-Wow, 8 levels of ever-changing 3-D mazes.
- 16) **MEMORY TRAINER**-Remember sequentially colored blocks.
- 17) **MINI GOLF**-Steady hand helps.
- 18) **MORSE CODE TUTOR**-Nice to know.
- 19) **MUSIC COMPOSER**-Learn real notes and play standard or original songs.



- 20) **NINJA**-Swords, darts and a lot of skill are required in this game.
- 21) **NOMIS**-Hard sequence game.
- 22) **NUMBER GAME**-Learn factors. For example, 2 is a factor of 4.
- 23) **OLD MAC FARMER**-You'll be chased.
- 24) **PUZZLE MASTER**-Great but hard.



- 25) **SPECTRA BRAIN**-Guess a number.
- 26) **SPECTRA BREAK**-Fast action game.
- 27) **SPECTRA CHECKBOOK**-Everything you'd expect. It even lists your checks.
- 28) **SPECTRA DIARY**-Plan to 9,999 by day or month with zoom detail of days.
- 29) **SPECTRA FILE CABINET**-A data base for organization of anything.
- 30) **SPECTRA HOME ECONOMIST**-A data base for coupons.
- 31) **SPECTRA MIND**-Another hard to win numerical computer logic game.
- 32) **SPECTRA TYPE**-Advanced typing.
- 33) **SPECTRA INVADERS**-Invaders from space.

- 34) **SPRITE EDITOR**-Easy way to design sprites to move around your screen.
- 35) **STAR WORDS**-Spaceship Spelling.
- 36) **SWING MAN**-Hangman with a twist.
- 37) **SV JUNGLE**-Wow, 20 question game about animals and the computer learns.
- 38) **3-D TIC-TAC-TOE**-Hard and good.
- 39) **U.S. GEOGRAPHY**-State Capitals.
- 40) **U.S. PRESIDENTS**-Very hard, but as with Geography, will give the answer.

EASY TO SET UP

All this knowledge is yours in just a matter of minutes. Just plug in the AC adaptor, then connect the data cassette to the computer and then connect the computer to your TV (RF modulator for channel 3 and 4 included) and enjoy.

WHY SO CHEAP?

SVI was only a U.S. importer. Bondwell, a worldwide office type computer company, made the computers.

They were stuck with 5,600 of them with the SVI name when SVI closed, so they sold them to DAK. They are a substantial company, even in the U.S., and they back these computers with a standard limited warranty.

SVI's June 1984 Price List shows a Suggested Retail Price of \$311 for the hardware and \$295 for the software.

TUTOR YOUR FAMILY RISK FREE

It's an awesome amount of knowledge. It's a powerful computer. All ages in your family will learn together and enjoy.

If you're not 100% satisfied, return everything in their original boxes within 30 days to DAK for a courteous refund.

To order your 64K Computer, Data Cassette Recorder, 2 Joysticks, and 40 Volumes of Education and Entertainment risk free with your credit card, call toll free, or send your check for DAK's limited (we only have 5600) close-out price of \$169 (\$9 P&H) Order No. 4210.

To connect this computer to a monitor instead of your TV, we have a cable for only \$8 (\$1 P&H) Order No. 4266.

Turn this computer into a powerful word processing machine with a Centronics Parallel Interface, a Cable and a Powerful Word Processing Program for just \$59 (\$3 P&H) Order No. 4211. Just add a printer. See our 'Complete Computer'.

You'll have months of trying new programs and years of Learning plus Entertainment for your whole family with this limited computer and software close-out.



The \$129 Quick Reverse Catch

Here's a deck with 9/10ths of a second quick reverse, APSS, intro-scanning, repeat playback and Dolby B & C. It's yours for just \$129. But, there's a catch.

By Drew Kaplan

It's just plain simple. I like my music uninterrupted. I like to be able to change my cassettes when I like, not when the cassette ends.

And when I'm taping off FM, this quick reverse deck allows me to record both sides of the cassette automatically. And that's important.

You see, I really don't like to listen to FM. Out of all the music they play, I only like a small percentage. And, I find commercials intrusive. (I hope you don't feel the same way about my ads.)

Anyway, I pick one of the stations that I like, and just start my recorder. Often I leave home and forget about the tape.

I often build up 10 or 12 cassettes of FM music. Then I start listening to them. And, whenever I hear a song that I like, I start a 2nd recorder and copy the song. I've been able to effortlessly build an enormous collection of all types of music that I really enjoy.

EASY DOES IT

And you don't have to guess what I use to play it back. An auto reverse deck lets me enjoy an hour, a morning, or a full day of uninterrupted music.

So, an auto reverse recorder is great for making recordings off FM, or from any other source. And for me at least, it's the best way to relax and enjoy my favorite music.

AND OH WHAT SOUND

Here's a deck with a frequency response to 15,000hz with normal tape and 17,000hz with metal. And, its signal to noise ratio reaches 77db with Dolby C.

It is 100% state of the art. All its function controls are full logic, not just soft touch. And, it has dual capstans. Plus, with its two color LED Peak Level Metering and linear volume controls, great recording is a breeze. But, great sound is just the beginning.

Stop here for a note. As you might expect, as president of DAK, I own 11 tape decks. You see, I have decks that do a lot of different things in several places.

(By the way, I owned 9 decks before I ever started DAK, so I guess I'm a certifiable HiFi nut.) I have dual decks, dbx decks, auto reverse decks, open reel decks, and a studio deck.

And, while I'd obviously like to sell you this deck, I really believe that if I talk you into putting an auto reverse deck in your system, you'll think kindly about me and DAK in the future. And, this is quite

simply, 'one hell of a deck'.

TOTALLY AUTOMATED

The computer assisted logic lets you enjoy your music like never before.

Quick Reverse-During record or play, this deck will automatically reverse in just 9/10ths of a second for virtually uninterrupted music from both sides.

Another note from Drew: Although the reverse is very quick, it's only fair to point out that there will be a few seconds of silence at the reverse. Because...

There are a few seconds of leader at each end of every cassette. It's no big deal, but in reality, you'll have more than 9/10ths of a second of silence.)

APSS-Let's say you're listening to a song you'd like hear again. Just touch Reverse APSS and this deck will locate the beginning of the song and restart it.

I use this feature on my FM tapes. After all, I don't know I'm going to want to copy a song until I've heard it. Anyway, if you don't like the song you're listening to, just push Forward APSS. The deck will then locate the beginning of the next song on the tape for you.

Intro-Scan-Like an expensive car radio, this deck will play just the first 12 seconds of each song on the tape automatically, so that you can find just the track you want to enjoy.

Multi-Repeat-You can repeat one full side or the entire cassette, over and over again for continuous music. This is the feature that gives us a day, or an evening of uninterrupted music.

Blank Tape Pass-You know how you always end up recording about three quarters of the second side of a cassette?

Well, this deck is so smart that when it reaches an unrecorded section, it fast forwards to the end, auto reverses and starts over again.

So for a ridiculous example, if you record one song on a cassette, this recorder will play it, fast forward to the end, check the other side, find nothing and fast forward back to the beginning. Then it will play your song again and continue the sequence. Wow!

It is 17" X 4 3/4" X 8 3/4". It's the top of the line system from Sharp. And, it's backed by their limited warranty.

AUTO REVERSE CATCH

It's no secret that the cassette industry is awash with cheap imports. And, it's no secret that if you're happy with a product, you tend to keep buying it.

Well, we're looking for audiophiles who really use and appreciate top quality

audio cassettes.

If you buy top name TDK and Maxell cassettes, you probably pay up to \$3.50 or \$4.50 for a 90 minute cassette.

We want you to try DAK's Gold Label MLX ultra high energy, normal bias cassettes with a frequency response up to 19,500hz. Don't pay \$4.50, or even \$3.50. Buy them factory direct from DAK at just \$2.49 for a 90 minute cassette.

We challenge you to compare the frequency response, dynamic range and signal to noise ratio of our Gold Label MLX cassettes to Maxell UDXL or TDK SA.

If they win, we'll not only give you back your money, we'll give you a free gift for your trouble. DAK's come with a deluxe hard plastic box, an index insert card, and a limited 1 year warranty.

DAK manufactures a cassette with no problems and great sound. With our frequency response of up to 19,500hz, we'll challenge any tape on the market.

AUTO REVERSE AND MLX RISK FREE

Try recording. Feel the solid quality of this totally automated deck's controls. Then, sit back and enjoy superb sound and total musical automation.

And, why not use some of the MLX cassettes to record off FM. If you're at all like me, you'll be doing a lot of great recording with this deck. (And, using a lot of my cassettes, I hope.)

To get Sharp's auto reverse deck for \$129, just try 10 DAK MLX high energy cassettes. If you aren't 100% satisfied with the cassettes or the deck, simply return only 9 of the 10 cassettes and the deck in its original box within 30 days for a courteous refund. The 10th cassette is a gift for your time.

To Order your 10 Gold Label DAK MLX 90 minute cassettes and get the Auto Reverse Deck for \$129 risk free with your credit card, call toll free, or send your check for \$24.90 for the 10 cassettes, \$129 for Sharp's Auto Reverse Deck, and \$6 for postage and handling. Order No. 4328. CA res add sales tax.

Auto Reverse, Dolby B and C, and total automation added to DAK's MLX cassettes make for a great musical future.



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Not for Resale

FAMILY PRICE BOMBSHELL



Daddy's Pride And Joy

I had a meeting that I just couldn't miss. And, my son was giving his first speech. What's a father to do?

By Drew Kaplan

"Where's the Unicorn?", was the title of my son's speech. And, I was going to miss it.

I had also missed the trip to Knotts Berry Farm where he had won the Unicorn. He was especially proud because neither his older brother nor any of the adults had been able to win anything.

POSSIBLE DIVORCE?

Everyone in the family thought I should skip the meeting, and they were probably right. But I had an idea.

I called Emerson and asked to borrow one of their portable video machines with a camera that would 1) be light enough for my wife to easily carry, and 2) wouldn't require any training.

The next day we received the system you see above. I didn't plan to sell it (I told Emerson it was too expensive), but I really needed it for that day.

Well, not only did this system save my marriage, but we've had a heck of a lot of fun. Yes, I've seen the Unicorn Speech many times, as have all the grandparents. But that was just the beginning.

The very first night we unpacked the recorder, the kids turned into 'hams'. And by the way, the speech was probably much better because we used the video recorder over and over again to practice.

Inside and out, (yes it came right out of the box with everything, including an AC power supply and a rechargeable battery) we really put this thing to use.

LOTS OF USES

My older son is taking tennis lessons. Making recordings of your swing out on the court is an ideal way to improve. He can really study his wrist and arm action.

It's also terrific out on the golf course for improving your golf swing. In fact, it's such a powerful method of game improvement that they sell video cassettes showing how to improve your game.

I can't personally attest to improving your tennis or golf games, because I'm too busy writing catalogs to take time off to play. And anyway, when I was growing up, playing ping pong seemed to be an extravagant sport to me.

Anyway, imagine capturing your chil-

dren's expressions as they open birthday presents. At Christmas we're going to have a ball. And, it's great at work too. I've sent 'tours of DAK' to suppliers, and we have a DAK training program.

LIVING CHRISTMAS CARDS

With video cassettes costing less than \$4, why not send one to an old friend who lives across the country. Wow, what a great way to revive old friendships.

As many as 25% of all households are estimated to have VHS recorders by the end of this year, so there's a good chance your old friends already have recorders.

My wife is planning to send out about 6 copies of a tape about us to her old 'best' friends in Akron, Ohio and Denver, Colorado and Phoenix, Arizona.



Photographs may be cute, but there's nothing like 'live action'.

REALLY EASY

Just slide in the rechargeable battery or AC power supply, plug in the camera, slip in a blank VHS video cassette, touch Record, and away you go.

Just touch the trigger on the camera. The tape will start moving. Touch the trigger again and the tape will stop.

There's a focus control and a 3X zoom lens. A green light shows you that you're recording and a red light shows you if there's not enough light.

But don't worry about light. You need only 35 lux, which is about normal room light. A 4 position switch lets you optimize the camera for standard incandescent light bulbs, fluorescent bulbs, full sun, or cloudy days. It's easy; it's quick, and you'll be amazed at the results.

A unidirectional electret condenser mike mounted on the camera picks up the sound with astonishing clarity.

You'll have loads of features, including speed search, still frame, audio dub-

bing, and automatic fine editing.

AT HOME TOO

You'll get a TV tuner that turns this recorder into a standard home video recorder. You can record off the air VHF 2-13 and UHF 14-83.

The recorder has both VHF channel 3 and 4 output capability, so you can connect the recorder to any TV.

Because it also has 'video' inputs and outputs, you can connect this recorder directly to TV monitor or any other video recorder with normal 'audio' type RCA patch cords for really clean copies of cassettes. So, it's a portable dubbing machine as well.

Cables for 300 ohm and 75 ohm antenna connections as well as direct video connections are included. And there's a shoulder strap. It's all backed by a standard limited warranty.

CAPTURE YOUR FAMILY ON TAPE RISK FREE

It's not like using expensive film that has to be processed. With six hours costing about \$4, you'll have a ball.

If you're not 100% satisfied, or even if you don't like to watch your family on TV, simply return the system in its original box within 30 days for a courteous refund.

To order your Emerson Video System (Emerson's camera is by Konica), risk free with your credit card, call toll free, or send your check for only \$689 plus \$11 P&H. Order No. 4313. Ca res add tax.

You've got to try this! Take the camera in the car and drive around your block or to your office with someone holding the camera out of the window. Wait till you see the results. It's like a roller coaster.

In fact, the next time I take my kids to Magic Mountain, I'm going to take the recorder and record the roller coaster ride. Since I usually have my eyes closed, it'll be fun to see what it really looks like.



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Audio Labs
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A Rose By Any Other Name

It's the sweetest phone that this writer has ever used. From its elegant good looks to its elegant sounding speakerphone, it's a class act. And, it remembers and dials up to 200 numbers by THE NAME of the person you want to call. Plus you can use it on 1 or 2 lines.

By Drew Kaplan

It's not red. And it has no aroma. But not only is it not just a rose amongst the thorns, Mura's all new name dialing 2-line conferencing speakerphone is the rose amongst roses.

As president of DAK, I've tested hundreds of phones. Some are very good and you will find them in DAK's catalog. But, I've never used a better sounding, more useful phone, at home or at the office, than the phone pictured above. Let me tell you some of the reasons why.



FIRST, IT DIALS BY NAME

I hate having to remember phone numbers. With this phone, all I do is push the 'H' button when I want to dial Home. The 'M' button dials Mura (this phone's manufacturer). And, the 'I' button dials my insurance broker. It's really great at home.

Where I have more than one name that begins with the same letter, I can scroll through the names before it dials, or enter just the first 3 letters. So, if I want to dial Howard instead of home, I push 'H', 'O', 'W'.



It's quick, it's easy and you'll never have to remember or look up and dial anyone's number again. Each memory location can hold up to 32 digits and you can store up to 200 different names. It has a memory capacity of 4096 digits.

You can store your Sprint and MCI codes with the person's name, in a separate location that the phone automatically accesses as it dials, or totally separately so that you can automatically access the service and then dial a number manually.



And speaking of manual dialing, you don't even have to push the speakerphone button to dial. When you touch the first number, the phone automatically seizes the line, turns on its speaker, and you have on-hook dialing.

So, you never have to lift the receiver or activate the speakerphone unless someone answers the line.

FORGOTTEN HANDSET

This phone has the latest K2 handset. It gives you traditional Phone Company fit and feel, yet, I find it even more comfortable to use.

But, you'll probably never use it. The speakerphone is so powerful, so clean, and so easy to use, you'll never pick up the handset unless you need privacy.

I've used good speakerphones before, but this speakerphone's sound quality rivals an in-person conversation, not a phone call. How's that for a description



of a phone you can try on a 30 day risk free trial?

2-LINE MASTERPIECE

This is a two-line phone, but even if you only have one line, I'd plug it in and forget about its two-line capabilities.

You can select Line 1 or Line 2. And, you can push Conference to combine both lines for convenient business conferences or friendly group calls with friends. There are LEDs that show which line is 'In Use', 'On Hold', or which line is 'Ringing'. And, there are different rings for each line.

Installation is a breeze. It simply plugs into one standard modular 2 line jack or two modular 1 line jacks. Nothing could be simpler.

PAGES OF HELPFUL FEATURES

The list of features would have to be microfilmed to fit on this page. There's a large LCD display that shows you the name you want to call and the number.

An automatic timer tells you exactly how long you've been talking. And, a clock appears on the display whenever you hang up.

Every conceivable feature from Mute to Tone/Pulse switching, to Pause, to Flash, to battery backup (2 C batteries not included), to three direct Emergency Access Memory Keys and a lot more is included.

There's even Automatic Redial which will redial a busy number for you every 30 seconds.

YUPPIE POWER

I'm anything but a yuppie, even though I just turned 39, but when you look at the sleek, swept back, silver-blue HiTec appearance, and when you examine its complete computer keyboard, you'll understand why it would warm a yuppie's heart. My heart is warmed by what it

does, but I must admit it is impressive.

It's made by Mura and here's one reason why the phone sounds so great. Mura is a division of TIE/communications, Inc., which just happens to be one of the largest inter-connect (big business phone systems) companies in the world. In fact, they're listed on the Stock Exchange.

The phone is about 9" wide, and it's backed by Mura's limited warranty.

PUT A ROSE ON YOUR LINE RISK FREE

It's the best sounding speakerphone I've ever heard. Dialing by names instead of numbers is a quantum leap in both technology and convenience.

If you are not 100% convinced, as I am, that this is the best sounding, most convenient phone you have ever used, simply return it in its original box within 30 days for a courteous refund.

To order your Mura Name Dialing 2-Line Speakerphone with God only knows how many features risk free with your credit card, call toll free or send your check for DAK's introductory price of just \$129 plus \$4 for postage and handling. Order No. 4335. CA res add tax.

Note: Order today for September delivery. We will ship on a first come first served basis. Your credit card won't be charged until shipment is made.

In DAK's electronic world, where a new best is achieved almost every day, this phone stands out as the 'best' best I've ever had the pleasure of introducing.



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Cable Controller Plus

Get all the cable channels on any TV or video recorder with this all new wireless infrared remote control cable tuning system. And at just \$88, we're sure to break the cable market wide open.

If you've got cable, we've got it all. Now you can tune in up to 60 cable channels from your easy chair.

The Universal Cable Controller receives all VHF Low Band channels 2-13 and VHF Midband 14(A)-22(I).

Plus it tunes the Super Band VHF channels 23(J)-36(W) and Hyper Band channels from 37-60. You'll get a lot of stations for our breakthrough price.

MOVIE CHANNELS

If there are movie channels on your cable and they're not scrambled, the Controller is all you need. If they're scrambled, you'll need the cable company's box.

Note: Check with your cable company before viewing anything at all, to see if they require you to pay a fee.

SPORTS PLUS

There are lots of 'Super Channels' broadcast on cable. On the all sports channel you'll watch 'World Class Sports' whenever you wish. All Movie Channels give you entertainment at all hours.

And 'Super Stations' from New York and Atlanta give you major city TV for cities other than your own. Plus, there's Cable News Network for a world wide perspective on the news and much more. Why not see what's on your cable?

ONLY FOR CABLE

If you don't have cable, the Cable Controller isn't for you. It only finds you extra channels when you are connected to a cable. And, it doesn't tune in UHF.

But, if you're on cable, your cable company is rebroadcasting UHF over unused VHF channels. So with the Cable Controller tuner, you'll get it all.

TOTAL RANDOM ACCESS TUNING

The wireless infrared remote hand controller does it all. It switches both the TV and the Controller on and off and selects your channels. And, look at this. You can select your favorite channels (up to 6) and store them in a special section.

Then just touch the special 'RCL' Recall Button and you'll be able to sequence through only your favorite channels. This is especially convenient if you like to flip through movie channels during commercials on regular TV.

For the other channels, you'll enjoy total random access tuning. You can go directly from channel 2 to 28. Or you can step tune one channel at a time.

Once you've set your own TV to channel 3, you can just forget it. Any fine tuning is handled from the wireless infrared remote handset. And you'll have crystal controlled frequency phase lock loop synthesizer tuning for the finest picture.

You'll see the number of the station that you have selected displayed on the command base. And, you can tune channels either from the remote or the base.

Color tints, volume, brightness and contrast are all controlled by whatever method you now use.

INSTALLATION

Nothing to it. All cable systems use 75 ohm round cable. Simply unscrew the end from your TV and screw it into the Controller base input.



Then screw in an identical cable (included) between the Cable Controller and your TV. Finally, plug your TV's AC plug into the Controller and the Controller's AC plug into the wall.

WHAT IT IS

The Cable Controller is actually a very sophisticated, all electronic VHF TV tuner/receiver. It's really like a TV set without a picture tube.

Since it's all electronic, you won't be getting snow from dirty tuning contacts and loss of fine tuning as the set ages.

The Controller tunes all the possible stations that your cable can broadcast, something that would be very expensive to build into standard TVs, because not all TVs are going to be used on cable.

dreds of dollars extra. You can feed both your TV and video recorder. Or, you can separate them so that you can easily watch one thing and record another.

WHAT IT ISN'T

It isn't one of the infamous 'black boxes' you might have read about that illegally decode various 'Pay TV' channels. On cable, most of the programming isn't scrambled, it's just found outside the tuning range of the average TV.

So, if there is a Pay TV channel that is scrambled, or is only unscrambled on one TV in your house, the Controller is not made and should not be used to tune it in without paying.

Actually 'Cable Ready' TVs and video recorders do basically the same thing as the Cable Controller, but cable tuning is usually an added on feature that often doesn't cover as many channels.

The Cable Controller is made and backed by a standard limited warranty from Universal Security Instruments Inc.

TRY THE WORLD OF CABLE RISK FREE

Relax up to 20 feet away. Change channels, adjust the fine tuning or turn your set on or off. Explore the vast number of cable channels available to you.

Try it risk free. If you aren't 100% satisfied, simply return it in its original box within 30 days for a refund.

To order your Universal 60 Channel Cable Controller with Wireless Infrared Remote Control, risk free with your credit card, call toll free or send your check for DAK's market breaking price of just \$88 plus \$5 for postage and handling. Order Number 4147. CA res add tax.

There's a whole new world of entertainment waiting for you just off your normal TV tuning range. With the Cable Controller, you can sit back in your favorite easy chair and tune in the world.



GREAT FOR VIDEO RECORDERS

Now you can record off cable. With the Cable Controller hooked to your video recorder you can open the world of cable to your video recorder too.

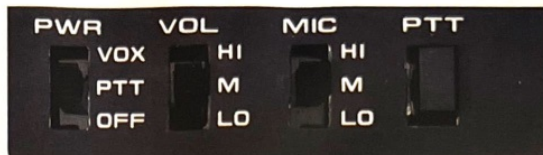
Cable ready video recorders that don't even tune in 60 channels can cost hun-

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PRICE SLASHED
DAK has sold over 20,000 of these
incredible communication devices for \$49.95.
NOW JUST \$29.95
Use Order Number 9810 (\$3 P&H). See Below.



- For Hunting
- For Construction Sites
- For Baseball
- For Hiking
- For Skiing
- For Boating
- For Antenna Work
- For Bike Riding
- For Snowmobiling
- For Hot Air Ballooning
- For Surveillance
- For Search & Rescue



Think Speak Plus

On the job, on the field or on the road. Now you can talk and listen 'hands free' at a new breakthrough price. Plus, there are now special units for motorcycle helmets with an intercom and FM radio reception.

SWAT Teams use them. So do quarterbacks and firemen. Now you too can talk and listen to people near and far, totally hands free, while you are jogging, sailing, skiing, hiking or riding a motorcycle.

Both at work and at home, this unique communications system, with a range up to 1 1/2 mile, will let you keep in touch.

NOT A WALKIE TALKIE

This is no toy. The Think Speak is totally automated. When you speak, a special voice activated circuit (VOX) automatically engages the transmitter so that you are broadcasting. When you stop speaking, it will automatically return to 'stand-by' to await a reply.

It is virtually noise free because it uses a quartz crystal locked dual conversion superheterodyne communication circuit that operates on 49mhz with FM.

So, your communication won't sound like a CB or an AM radio. You'll speak and hear with the full power and clarity you'd expect from an FM radio station.

HERE'S WHAT IT IS

You wear the Think Speak just like a personal stereo. There's an adjustable headpiece that you wear on either your right or left ear. The other ear is clear to hear the outside world for safety.

In the helmet versions, the headband comes off and the earphone attaches inside. The mike and antenna attach to the outside with quick release velcro.

A flexible boom microphone lets you speak normally while you transmit. The entire shaft of the boom mike is adjustable and will retain any position you set.

The voice activation circuit has a 3 level sensitivity switch. If you're riding a motorcycle or breathing hard while you jog, you can set the sensitivity to low so that you won't transmit in error.

If you are hunting or fishing and you can't talk much over a whisper, you can

set the sensitivity to high. Plus, the headpiece has a 3 level volume control too.

In addition to the VOX voice operated circuit, you'll have 'PTT' which means Push to Talk. When you want to talk, you just push the PTT button.

This is a really great feature when you want to whisper very quietly below the threshold of even the high sensitivity setting of the Voice Operated Circuit.

You may be into surveillance or photographing wildlife. When you can only whisper, you'll especially appreciate the super quiet FM reception of this system.

The motorcycle version adds a plug-in 2nd headset for your rider (included), and an intercom/internal switch which lets you talk to and listen to your rider. You'll still be in contact with the outside world and will receive communications.

SOME SPECIFICS

You can expect long battery life from a standard 9V battery (not included). The antenna is conveniently clipped to the headband for normal use. For full range use, the antenna pops up.

The system operates on the 49 mhz band using FM, so you shouldn't be bothered by any other radio transmissions as you are with CBs and Walkie Talkies.

The transmission output is a full RF of 10,000uV/m @ 3 meters max. No FCC licence is required. And, the FM hum and noise is almost good enough for a high fidelity system at 40db min. The case clips to your belt, and is 4-9/16" X 2 1/4" X 15/16" for the standard unit and 4 1/4" X 3" X 1 1/4" for the motorcycle unit.

PERSONAL OR GROUP

You can talk to 1 or even 10 people with Think Speaks. The Think Speak is great if you're skiing with friends, using two boats, or sailing at sea. And, if you go hiking in the mountains, it's a must.

The two new versions designed for

motorcycle, dune buggy, ultralight aircraft and snowmobiling where you wear a helmet and may have a passenger, expand the Think Speak's range of use.

All three systems are electrically identical. So, if you're a pitcher, you can talk to your catcher or the coach. If you're on a loading dock, you can talk to the man in the truck or on the forklift.

It's made and backed by Maxon Electronics, the two-way specialists.

TRY THINK SPEAK RISK FREE

Walk around the block. Take a bike ride and really test the range of this communications breakthrough. If you aren't 100% satisfied, return it in its original box within 30 days for a refund.

To order your Think Speak risk free with your credit card, call toll free or send only ~~\$49.95~~ (\$3 P&H) for each standard unit. Order No. 9810.

If you'd like a unit that you can either wear or attach to your helmet with velcro, complete with a second plug-in headset and an internal intercom, send just \$59 (\$3 P&H) Order No. 9811. And if you'd like the helmet unit with a built-in FM tuner too, it's just \$79 (\$3 P&H) Order No. 9812. CA res add Sales Tax.

All three units are totally interchangeable, sound identical and will both transmit to and receive from each other. A minimum of two Think Speaks are required for communication.

When you think out loud, people will listen. Try a Think Speak risk free today.



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Sound Detonator Plus

Make your stereo system's sound explode with life. Improve the sound quality by 30 to 50%. Plus, you'll add tape dubbing too with this limited BSR \$89 close-out.

It's like night and day. Crashing cymbals, the depth of a string bass, more trumpets or more voice will come bursting forth from your stereo at your command.

You'll make your music so vibrant that it will virtually knock your socks off when you use this professional quality 10 band stereo Sound Detonator Plus Equalizer.

It has a frequency response from 5hz to 100,000hz ± 1 db. BSR, the ADC equalizer people, make this super equalizer and back it with a 2 year limited warranty. Our \$89 close-out price is just a fraction of its true \$249 retail value.

CAN YOUR STEREO SOUND BETTER?

Incredibly better. Equalizers are different from regular bass and treble controls. And, 10 band EQs are the best.

Bass controls turn up the entire low end as well as the low mid-range, making the sound muddy and heavy. With an equalizer, you simply pick the exact frequencies you want to enhance.

You can boost the low-bass at 31hz, 62hz and/or 125hz, and the mid-bass at 250hz and 500hz to animate specific areas of the musical spectrum.

And, when you boost the part of the bass you like, you don't disturb the mid-range frequencies and make your favorite singer sound like he has a sore throat.

The high frequencies really determine the clarity and brilliance of your music.

You can boost the mid-range and highs at 1,000hz, 2,000hz, 4,000hz, 8,000hz and 16,000hz. So, you can bring crashing cymbals to life at 16,000hz while at the same time you cut tape hiss or annoying record scratches at 8000hz.

You can also boost or cut specific mid-range frequency areas to add or subtract vocal, trumpets, guitars or whatever instrument ranges you prefer.

GREAT FOR 2 TAPE DECKS

You can push a button and transfer all the equalization power to the inputs of two tape decks. So, if you have a cassette deck in your car or a personal stereo that you wear, now you can pre-equalize your cassettes as you record them.

Now you can get all the dramatically enhanced sound wherever you are. This

is an especially great feature for bass starved portables and high-end starved car stereos to make them come alive.



And, look at this. There are two tape inputs and outputs, so you can dub from tape deck A to B, or make two tapes at once with or without equalization.

EASY HOOK UP

Use your tape monitor circuit, but don't lose it. Now your one tape monitor circuit lets you connect two tape decks.

Just plug the equalizer into the tape 'in' and 'out' jacks on your receiver. We even supply the cables.

As you listen to your records, FM or 'aux', any time you push the tape monitor switch on your receiver you'll hear your music jump to life.

The output from your receiver is always fed directly to your tape decks for recording, and with the touch of a button, you can choose to send equalized or non-equalized signal to your recorders.

When you want to listen to a tape deck, just press a tape monitor button on the equalizer and your tape deck will work **exactly** as it did before. Except, that now you can choose to listen with or without equalization and you can dub.

You won't be listening to any distortion or hum. The Sound Detonator Plus has a 95db signal to noise ratio and total harmonic distortion of just 0.018%

Once you've set your equalizer controls, switch it in and out of the system. You'll hear such an explosive improvement in sound, you'll think you've added thousands of dollars of new equipment.

WHY A CLOSE-OUT?

Last year DAK closed out over 18,000 of BSR's 7 band equalizers because BSR had decided to only sell equalizers under their ADC name and they still had some left with the BSR name on them.

Well, as Detroit comes out with new cars each year, ADC comes out with new equalizers. We got them to supply us

with just 15,000 of last year's model before they shut down for the new one.

They had already paid for all the tooling, all the research and design, so we were able to buy these for less than half the normal price, for cold hard cash.

So, you can go to any HiFi store and buy this year's design in an ADC equalizer made by the parent company BSR, or you can get this \$249 value BSR equalizer while our limited supply lasts, for \$89.

THE FINAL FACTS

There are 20 slide controls, each with a bright LED to clearly show its position. Each control will add or subtract up to 12db. (That's a 24db range!)

There are separate sound detonation slide controls for each channel at 31hz, 62hz, 125hz, 250hz, 500hz, 1,000hz, 2,000hz, 4,000hz, 8,000hz, and 16,000hz.

LED VU meters with ± 0.5 db accuracy show levels for each channel. It is 17" wide, 6 1/2" deep and 4 1/2" tall.

PUT LIFE INTO YOUR MUSIC RISK FREE

Prepare for a shock the first time you switch in this equalizer. Instruments you never heard in your music will emerge and bring a lifelike sound that will envelop you and revolutionize your stereo system.

If your system doesn't spring to life, simply return the equalizer within 30 days in its original box for a refund.

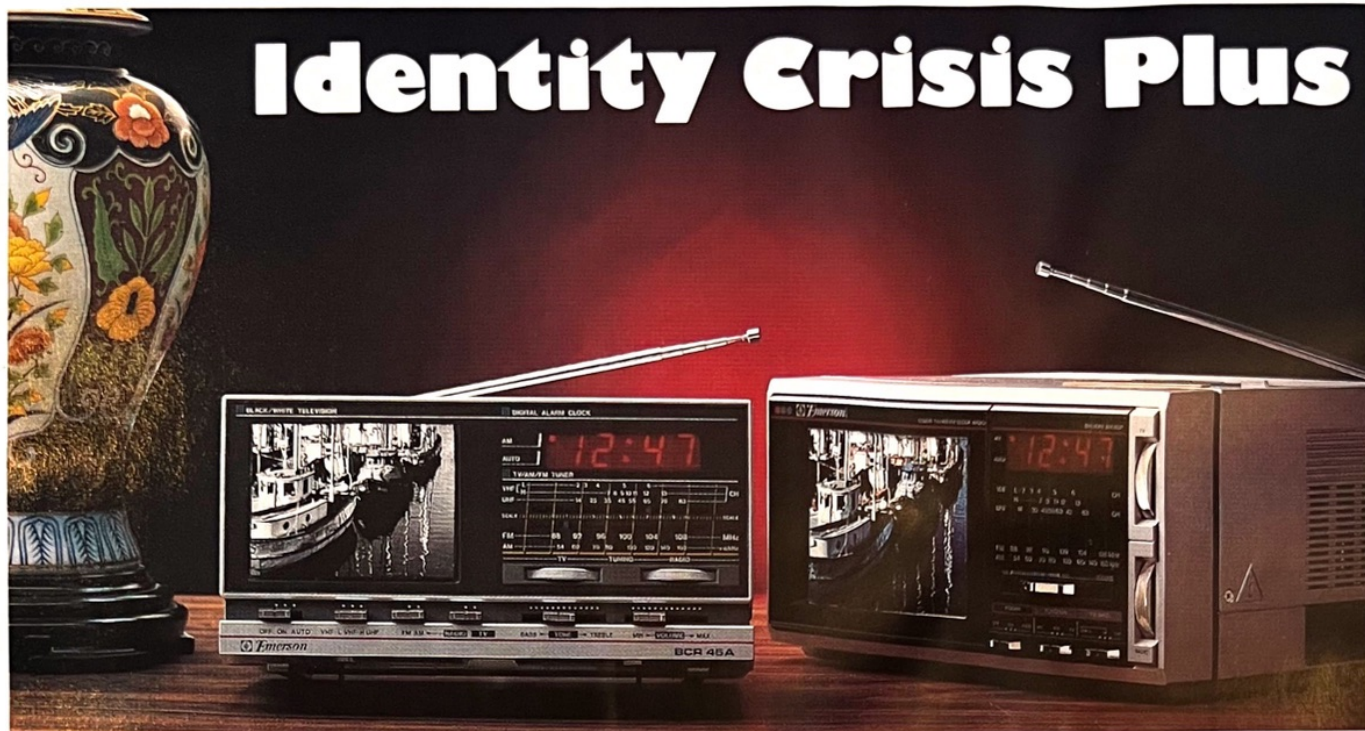
To order your Sound Detonator Plus Tape Dubbing BSR 110X10 Band Stereo Frequency Equalizer risk free with your credit card, call toll free or send your check not for ADC's \$249 value, but for ~~only \$89~~ plus \$7 for postage and handling. Order No. 9724. CA res add 6% tax.

Wake up the sound in your stereo. Your sound will explode with life as you detonate each frequency band with new musical life. And now you'll be in control of two tape decks as an added plus.

FINAL CLOSE-OUT NOW JUST \$59

Order No. 9724 Plus (\$7 P&H)
It's simply the most demonstrable addition you can make to your system. Wow, wait till you hear the sound.

Identity Crisis Plus



Here are the world's most unique clock radios. But, they're also the ideal Executive Link for your office, or even for your car. Either way, they're your link to the outside world.

You're at your desk. Soft, beautiful FM music is gently caressing you. You feel your tensions melt, your mind clears, and you're ready to take on the world.

Plus, wouldn't you like to see the Space Shuttle Lift off, the 9th inning of the World Series, and the news as it happens?

OR

You're lying in bed. Your mate's asleep. You're watching the late late movie. An earphone gives you total privacy, and if you fall asleep, you know that your TV will turn itself off within the hour.

In the morning, you can wake to TV, FM, AM or alarm. If you wake at night, you'll see the time on the extra large LED display with high/low brightness.

And, you won't have to worry about losing the time if there's a power failure once you install the standard 9V battery (not included) for protection.

OR

You're in your car or camper (not driving). You've plugged this entertainment center into your cigarette lighter, using the optional cable. And, you're watching the last quarter of the Super Bowl.

Now, no matter where you are, you can have great sounding AM and FM radio, or VHF and UHF TV.

FITS ANYWHERE

These beautiful micro-entertainers measure a mere 9½" wide for the black and white and 10½" for the color. Their space-age silver and black styling add a stunning look to any room at home (superb for the kitchen) or at the office.

While they are certainly the ideal bedside companions, think of the late nights you've spent at the office. Don't you deserve to have a companion that's a direct link to the outside world for both news and entertainment on your desk, credenza, or even a bookshelf?

HAS EVERYTHING

First the alarm. You'll enjoy every standard feature. There are fast and slow time and alarm setting buttons. A sleep switch that lets you have up to an hour of

AM, FM or TV before it shuts down for the night.

A snooze bar lets you have 9 minutes of extra sleep in the morning before the TV, radio, or alarm attacks you again.

And look at this. 59 minutes after the alarm turns on the radio or the TV, it will automatically shut itself off. In 24 hours, the cycle will repeat itself, so there's no need to reset this clock radio TV.

GREAT SOUND SAYS IT ALL

You'll enjoy the full rich sound you'd expect from an Emerson clock radio when you switch to either AM or FM.

The FM tuner really pulls in the stations. And the full range speaker has a very pleasing and full, rich sound.

Of course, with the touch of a button, you can also tune in your favorite AM stations. You can keep up with the latest news, sports or music on AM.

In the dark, linear volume controls are a real luxury. So whether you're listening to the built-in speaker or the included earphone, you'll be in full control.

BUT IT'S THE TVs

Imagine a 4½" black and white TV that's incredibly sharp and clear. Or consider a 5½" TV with color so vibrant and realistic, you'll feel yourself being drawn right into the action.

While they certainly aren't for a crowd, they're perfect for viewing on your desk, kitchen table or sink, or your night stand.

Here's a TV you can take out on the patio in summer or to the garage in winter. Yet, it looks great on your desk at work without compromising your hard working image. I find that it's really nice (and productive) to catch the 6:00 news as I finish my paperwork.

A rod antenna really pulls in the stations, or you can connect your own antenna. An adjustable flip up stand (as pictured) lets you set the angle for desk viewing (up) or bed viewing (down).

You'll have full control of brightness and contrast as you'd expect. But it's particularly important with these TVs,

because you may be in a very bright office or a very dark bedroom.

Just choose any station 2-13 VHF or 14-83 UHF and enjoy your TV. They're made by Emerson and backed by their standard limited warranty.

TRY AN IDENTITY CRISIS RISK FREE

People like them. They see the one I have on my desk and immediately want one. If you're most interested in news, why not save money and get the black and white. If you're going to enjoy movies and sports you're sure to be thrilled by the vibrant color TV.

I seem to use the radio more during the day and the TV more at night. It sure is nice to have a TV handy when world events happen. So, try several wherever you like. If you're not 100% satisfied, simply return it to DAK within 30 days in its original box for a courteous refund.

To order your beautiful Emerson AM/FM Clock Radio with either a 4½" Black and White TV or a 5½" Color TV risk free with your credit card, call toll free or send your check for just \$99 plus \$7 for postage and handling. Order No. 9846 for the Black and White TV. Or send just \$199 plus \$7 P&H Order No. 4308 for the 5½" color model.

You can order a 12V adaptor cable that plugs into your car's cigarette lighter for just \$7.50 (\$1 P&H) Order No. 9847. CA residents add sales tax.

They are small enough to sit on your desk, but big enough to bring you the world. Now you can have entertainment, news and sports at your fingertips, at the office where you work or at home where you rest.



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\$49⁵⁰ BREAKTHROUGH!



When you are at rest, so is your heart. A low resting heart rate usually means you're in good condition. Have you checked yours?



When you exercise, you should reach your heart's target zone. But, have I reached my exercise target zone, or just had too much coffee?

Heart Window

Now you can exercise, rest, swim or go out to dinner wearing the latest in computer pulse takers on your wrist. Plus, it's a talented sports watch and a formal dress watch too.

By Drew Kaplan

It's a fact. You can tell a lot about yourself from your heart rate. You can evaluate the condition you are in, how much stress you're under, and how hard you should be exercising.

Think about it. How fast does your heart beat when you climb a flight of stairs? And how long does it take for your heart rate to return to normal?

Well, if you're at all like me, you may be a little out of shape. While I'm only 37, several friends of my own age have recently had heart attacks. And frankly, I'm getting just a bit worried.

You see, I am getting past the point where I can simply say, "I'll get back into shape next year."

So, whether you're a long distance runner (this is the ultimate jogging companion), or just a few pounds overweight like I am, your heart rate will give you a picture of your heart and body's condition.

Now you can take your heart rate anytime, anywhere with the newest in sophisticated electronic pulse takers.

And best of all, this heart computer is contained in a beautiful 24 hour alarm, 24 hour chronograph, LCD watch, that you will be as proud to wear with a coat and tie as you are when you're running.



YOUR HEART'S TARGET ZONE

Your heart, just like any other muscle in your body, requires exercise. Unfortunately, unlike your arms, you can't see your heart's condition just by looking.

The type of exercise called aerobic exercise is specifically designed to exercise your heart. The purpose of aerobics is to reach your heart's target zone.

So what is your target zone? Your target exercise zone is between 60 and 80% of your maximum heart rate. And here's an easy way to figure it out.

Simply subtract your age from 220 beats per minute. So, for me at 37, my maximum heart rate is (220-37) or 183.

So when I exercise I should get my

heart rate up to at least (183 X 60%) or 110 beats per minute, and no higher than (183 X 80%) or 146 beats per minute.

With the Heart Window to help me, I can be sure that my workouts are valuable for my heart and neither dangerous escapades or total wastes of time. Of course, **before beginning any exercise program you should consult your own doctor.**

Note: The Heart Window is designed to indicate your pulse rate and aid your exercise, not to make medical diagnoses. **BUT ISN'T EVERYONE DIFFERENT?**

Here's the really exciting part. The worse shape you're in, the faster you'll reach the target zone and the less work you'll have to do to stay in the zone.

You see, as you get in shape, your heart doesn't have to beat as hard to do the same amount of exercise. Just as when you work out with weights your arms become stronger, your heart becomes stronger with aerobic exercise.

So the Heart Window is safe for the beginner or the athlete. And, you'll really see your improvement as you exercise.

But you don't have to exercise. Just wearing the Heart Window and using it at the office when you're under stress, after you've walked up some stairs or around the block, will make and keep you aware of your body's physical condition.

And look at this. Sit down at your desk and take your pulse. Then drink a couple of cups of coffee and take your pulse again. You'll see just what your morning 'pickup' actually picks up, and if, God forbid, you smoke, take your pulse before and after a cigarette. Wow!

ALL ELECTRONIC

With Innovative's new Pulsemeter watch, you'll have supreme accuracy. It's like a direct electronic line to your heart.

You see, unlike other pulse meters that use a light shining through your finger, or a microphone to take your pulse, this instrument actually measures the electrical impulses that cause your heart to beat.

The back of the watch is one receptor, and the metal touch sensor on the front of the watch acts as the other sensor. Just touch the sensor, and you'll see your pulse on the large LCD Display.

IS IT A DRESS OR SPORTS WATCH?

Innovative Time thinks that everyone interested in their pulse must be a pro-

fessional athlete. So, they've built this watch with all the athletic extras.

It's not only water resistant, it's guaranteed to 60 feet (although you can't actually take your pulse underwater). It has a stopwatch, a lap timer, and dual finish mode. Its band is made of very tough polymers. So, it's a sports watch.

But wait, I don't like black watches for dress. So, I've gotten Innovative to add a deluxe matching stainless bracelet to the watch. It's rendered in stainless and black and is a perfect high fashion choice. So, it's a dress watch.

Plus, there's a 24 hour alarm and an hourly chirp. The stainless band is great for sports or dress. So, you'll get the watch with the black band on it and the high fashion band packed with it, compliments of Innovative Time's superb engineering and DAK's good taste.

The Heart Window is backed by Innovative Time's 1 year limited warranty and comes with a 1 year battery in place.

TRY THE HEART WINDOW RISK FREE

Now you can look at your heart as easily as the time. You'll see how you react to stress, foods and exercise. Don't let DAK's low price confuse you. Take this pulse watch to your own doctor and have him test it.

Try the Heart Window risk free. Try exercising and then check your cardiac recovery rate. If you don't like what you see, you'd better keep the watch. But if you just don't like the pulse watch, simply return it within 30 days in its original box for a courteous refund.

To order your Heart Window, Pulse Sports/Fashion Watch, complete with 2 bands risk free with your credit card, call toll free or send your check for just **\$49.50** plus \$3 for postage and handling to DAK. Order No. 9844. CA res add sales tax.

In the gym, at the track or at the office, you'll have a direct connection to the condition of your heart.



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Not for Resale



The \$10 Personal Stereo Problem

Is it an accessory or a necessity? You be the judge. Individual woofers and tweeters, amplified for each channel, will let you enjoy dramatic sound from your personal stereo for only \$10. But, there's a catch.

It's a fact. All the new personal cassette and stereo radio units that you wear have a serious drawback.

No, it's not the sound quality, and it's not mechanical. Most of the personal stereos offer incredible value for your sound dollar.

You'd be amazed at the frequency response, signal to noise ratio and reliability of these personal stereos.

SO, WHAT'S THE PROBLEM?

When you lay out good money for your personal stereo, you should be able to use your new music system more often than when you are jogging, or working around the house.

The Pure Sound 2-way Amplified Speaker System from Unitech, the personal stereo experts, lets you enjoy dramatically clean massive stereo sound from your own personal stereo. It's all yours for just \$10. But, don't forget there's a catch.

WOW

The system consists of two 2-way speaker systems. Each has a massive magnet woofer. Each also has a tweeter with a sealed back so that it doesn't act as a passive radiator for the woofer.

A self-contained amplifier drives the speaker systems and there's a really beautiful zippered designer tote case.

At home, you can separate the speakers up to 6' for great stereo. When you're on the move, just put your personal stereo in the center of the case. Your music for one, becomes music for all.

The system is incredibly easy to use. It has a plug which is just like the plug on your headphones. Just plug it into the headphone jack on your personal stereo.

You control the volume on your personal stereo and the Pure Sound Amp works like a basic or power amp in a big home stereo system. It gives you powerful great sounding stereo through its matched 2-way speaker systems.

The 3 watt amp is powered by 4 'C' cell batteries (not included), or you can plug in any 6V AC adaptor (not included). You'll have dramatic sound from your personal stereo anywhere you want it.

Now you can enjoy a stereo system in your bedroom, kitchen, den, garage or



car. Now **your own** personal stereo can do it all. It's backed by Unitech's standard limited warranty.

THE CATCH

Frankly, we are losing our shirts on the 2-way amplified speaker systems, but we're looking for audiophiles who use audio cassettes.

If you buy top name TDK and Maxell cassettes, you probably pay \$3.50 to \$4.50 each for a 90 minute cassette.

We want you to try DAK's new Gold Label MLX ultra high energy, normal bias cassettes. Not at \$4.50 or even at \$3.50 each, but at a factory direct price of just \$2.49 for a 90 minute cassette.

We challenge you to compare the frequency response, dynamic range and



Williston
Not for Resale

signal to noise ratio of our new Gold Label MLX to Maxell UDXL or TDK SA.

If they win, we'll not only give you back your money, we'll give you a free gift for your trouble. DAK's come with a deluxe hard plastic box, an index insert card and a limited 1 year warranty.

WHY, YOU MAY BE ASKING?

You're very valuable to us in the form of future business. Over 460,000 customers have responded to bonuses like this. We find most of you keep buying once you've tried our cassettes and our prices; and that's a worthwhile gamble.

NOT A BAD CATCH

DAK manufactures a cassette with no problems and great sound. We've been hot on the heels of the frequency responses of Maxell and TDK for years.

A year ago we were behind. But with our all new housing and new Gold Label MLX tape, with a frequency response to 19,500hz, we'll go head to head against any tape on the market.

TRY NEW DAK MLX90 CASSETTES RISK FREE

To get the amplified 2-way speaker systems for \$10, try 10 MLX high energy cassettes. If you aren't 100% satisfied, return only 9 of the 10 cassettes and the amplified speaker systems in their original box within 30 days for a refund. The 10th cassette is a gift for your time.

To order your 10 Gold Label DAK MLX 90 minute cassettes and to get the Amplified Speaker Systems for only \$10 with your credit card, call toll free or send your check for only \$24.90 for the tapes, plus \$10 for the amplified speakers and \$4 for postage and handling for each group. Order No. 9802. CA res add tax.

Now your personal stereo can have dramatic sound without headphones. With DAK's new MLX cassettes all your recordings can sound really great.



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Patio Blasters

Now you can have dramatic stereo sound outside. These weatherized two-way speaker systems are at home in rain, sleet or snow. So, forget the weather. Take the full dramatic sound of your own stereo system outside.

It's a problem. You've got a great sounding stereo system inside. But, if you take your speakers outside, they're sure to be ruined by rain, sleet or snow.

Well, no more. Now Art Audio has designed a super new 2-way speaker system that's at home just about anywhere, except maybe at the bottom of your pool.

GREAT SOUND

The system enclosures are made of diecast aluminum. And, they are the latest air tight type. 18 screws, each actually screwed into threaded holes, make this vault-like enclosure secure against the elements, (including being stepped on by a large elephant).

Inside, there's an actual wire wound crossover network that feeds the lows to the woofer and the highs to the tweeter.

And speaking of the speakers, there is a woofer that you simply won't believe.

It only measures 4", but it has a magnet structure easily equal to an 8" speaker, and frankly, it sounds like one.

The acoustic suspension woofer is made of polypropylene which won't be affected by the elements. And, polypropylene is used in fine speaker systems for super accurate reproduction.

The tweeter is made of mylar for super accurate sound and a total disregard for the ravages of the elements.

INSTALLATION

These speakers come with easy-mount brackets. Just screw in the three wood screws to your house (included). And, attach the speakers to the brackets with the thumb screws (included).



It's best to mount the speakers under an overhang or under the eaves of your home. But, short of 'dunking' them in water, they are fully weatherized. Even the grills are protective metal.

TRY PATIO BLASTERS RISK FREE

Wait till you hear the sound. You'll be amazed at the depth of the bass and the clarity of the highs in your own patio.

If you're not 100% satisfied, simply

return them to DAK within 30 days in their original boxes for a refund.

To order your Patio Blasters risk free with your credit card, call toll free, or send your check for just \$49 (\$4 P&H) for each speaker. (You'll need two for stereo). Order Number 9820.

Take your favorite music outside with great fidelity no matter what the time of year or what the weather is like.

Numb Ear Miracle

Now you can say good-bye to numb ears and tired shoulders. Here's a telephone headset, with fully adjustable volume, that will set your hands free. And, it instantly plugs into your home or office phone.

It's terrific. If you spend hours on the phone like I do, you're probably all too familiar with the 'numb ear syndrome'.

Well, here's a headset that simply plugs into your phone's own plug, without installation. It can be plugged in and unplugged in seconds, and since it doesn't fit 'in' your ear, you can just slip it on and off at will.

In the past, only people who sat at their desks all day would bother with headsets. But, with the all new amplified headset from ACS, you'll use it even for short calls.



HERE'S HOW IT WORKS

The system consists of an amplifier (in the little box) with a full range volume control. So, you can set the volume to any comfortable level, even if there is noise around you or if you don't hear too well.

The headset only covers one ear so you don't lose touch with the world around you. It's the latest type with a comfortable foam cushion that rests on the outside of your ear, for hours of fatigue free conversation.



Just unplug it from the handset, plug it into the ACS amplifier and start talking. It's backed by a standard limited warranty.

FORGET NUMB EARS RISK FREE

It's incredibly comfortable. It will end numb ears forever and it will free your hands. If you're not 100% satisfied, return it within 30 days in its original box for a refund.

To order your Numb Ear Miracle Hands Free Telephone Headset risk free with your credit card, call toll free, or send your check for the \$99 you'll see others selling for, but for just \$49 (\$3 P&H) Order No. 9771.

I like having my hands free, but most of all, I like the way my ear feels, or doesn't feel, at the end of the day.



It's so easy to use that you'll take it from home to work - you'll never have to use a regular telephone handset again. Now you can let your ears be comfortable and your hands be free with the all new telephone headset from ACS, the company that supplies the headsets used by the astronauts on the Space Shuttle.

Blunder Causes Birth

Last year we bought some 3-way speaker systems from BSR that sounded dull and dead because BSR had installed the wrong tweeters. Well, our customers changed the tweeters and ended up with fabulous sounding speakers. In fact, the improvement was so awesome, that the idea for an entirely new product was born.

We were amazed. BSR presented us with a sample pair of their best 3-way speaker systems in which they had mistakenly mounted a soft dome tweeter, instead of an exponential horn tweeter.

BSR also provided us with a sample pair of the correct speakers. Well, the difference was staggering.

Actually the pair with the soft dome tweeter really didn't sound terrible, until you compared it with the correct pair. The highs just seemed to open up and the music became exciting and alive.

The rest is history. We bought the speakers from BSR, then we bought the correct tweeters and we let our customers switch the tweeters themselves.

So, our customers who were willing to spend a few minutes with a screwdriver, got fabulous sounding speakers really cheap. And BSR and DAK got an idea for a great addition to your stereo.

SUPER TWEETERS FOR EVERYONE
Chances are that nobody made a mistake when your speakers were made. So, why would you need BSR's new wide-dispersion super tweeter array?

First, let's look at what tweeters do. Obviously, they produce the high frequency components of your music. They are also responsible for the sonic placement that makes your music have depth. But look at this. Did you know that depending on your crossover, tweeters produce all the sound from as low as 2-4,000hz? Well, with tweeters producing so much of what we consider mid-range, it's no wonder that crisp clear dramatic sound is so hard to find.

The tweeters are so loaded down with reproducing the mid-range that the super fine vibrations that constitute the delicate upper frequencies really suffer.

And, while you're likely to hear the soft sound of brushes on a snare drum, or the clap of cymbals with any tweeters, the top harmonics that recreate openness and reality, may not be reproduced.

And, it's these 'harmonics' that separate a live performance from a dull recording. The sound from your current speakers may not even sound dull to you.

But, wait till you hear what a super fast attack time can do to bring a cymbal crash to life. Imagine the transient response that unchains the reality of your sound.

And, wait till you enjoy the wide dispersion that lets you move freely around your room without sacrificing your high end or the sonic placement of your music.

WIDE DISPERSION

Bass is totally non-directional. You can put a subwoofer anywhere in your room and the sound won't change.

The mid-range is moderately directional, in that you can tell where it's coming from, but you really don't lose the sound if you move off to the side.

High frequencies, on the other hand, are highly directional. If you sit directly in front of your speakers, you'll find that your speakers are infinitely brighter and



With BSR's new Super Tweeter Array sitting on top of any speaker, as shown, you can expect thrillingly realistic sound.

more alive than if you move to the side.

BSR has solved the directionality of high frequencies by using an array of three of these super tweeters. Each tweeter is aimed at a 45 degree angle.

You'll probably hear a 10 to 20% increase in the dramatic impact when you sit directly in front of your speakers.

This is simply caused by the super clean powerful exponential horn tweeters. But with BSR's tweeter array, you can move to the sides without experiencing a loss of high frequency response and sonic placement.

You won't hear a lot of treble. You'll hear drama and impact in your music.

These super tweeters are specifically designed to match your current speakers. They'll add detail without harshness.

They'll add excitement without tinyness. And, they'll give you lifelike sounding music that you won't just hear, you will experience.

EASY HOOKUP

Just place a BSR Super Tweeter on each of your speakers. You simply connect a speaker cable between the tweeter and your speaker. It's just that simple. There are no extra wires to run.

Then sit back and listen to the music. If you're like me, after about 5 minutes you'll say, "The sound is really good, but I'm really not sure what the tweeters are doing". Then have someone disconnect the tweeters and you'll know.

Suddenly the music will sound dull and flat. You'll have lost the 'edge', the life to your music.

These tweeters operate from 8,000hz to 20,000hz. And, you won't have any tinny sound in your midrange because they employ a third-order Butterworth crossover network that gives you an 18db per octave cutoff below 8,000hz.

There's a brilliance control so that you

can select the exact amount of high end you like. And, they don't interfere with your current speaker systems.

They just do a better job of reproducing the high end. And, they are impedance matched to all 8 ohm speaker systems.

The BSR Super Tweeters are 12½" wide, 6" deep and 5¼" tall. Their wood-grain and black hi-tec look, with the tweeters exposed, is a handsome addition to any speaker. They are backed by BSR's limited two year warranty.

ENERGIZE YOUR STEREO SYSTEM RISK FREE

Connect a Super Tweeter to each of your speaker systems. Walk around the room or just sit and listen. Then disconnect the tweeter. You're sure to find that you've just disconnected the thrill of a live performance along with the tweeter.

If you're not 100% thrilled, simply return the tweeter(s) in their original boxes within 30 days for a refund.

To order a BSR Super Tweeter Array, complete with 3 Exponential Horn Tweeters, a Built-In Third-Order Butterworth Crossover and Brilliance Control, risk free with your credit card, call toll free or send your check for DAK's incredible introductory price of just \$44.50 each. (\$5 each P&H). Order No. 4163. Note: two are required for stereo.

You'll hear the clearest highs you've ever experienced. Your sound will come alive. And, you'll really feel the excitement in your music with BSR's all new Super Tweeter Array.



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8200 Remmet Ave., Canoga Park, CA 91304



Zap

ZAP— Your cassette is erased. Just pass your cassette through the slot in DAK's deluxe eraser and it's not only blank, but it can be much quieter than if you try to erase the cassette on your own recorder.

A special magnetically charged elliptical field is developed by four independent magnetic elements. They're factory calibrated to form 8 separate fields of force to penetrate and randomize all magnetic fields (sounds) on the tape. It's an effort to approximate the original factory erasing that all new tape gets before it leaves the tape manufacturing factory.

It's an absolute must for every audiophile. There are no moving parts, nothing to plug in or wear out. It is especially useful if you are erasing signal from one recorder before recording on another because inaccurate track matching can lead to 'ghost sounds'.

Try the DAK cassette eraser risk free. If you don't agree it's one of your most useful accessories, just return it in its original box within 30 days for a refund.

To order Your 8 Field DAK Cassette eraser risk free with your credit card call toll free or send your check for only **\$17.50** (\$2 P&H) Order No. 9443.



Always Ready

Batteries are expensive. And, they seem to wear out just when you need them the most.

DAK's battery eliminator AC adaptor plugs into virtually any battery operated equipment or device and puts it back in service again.

4 plugs plus 9V battery clip let this battery eliminator fit any device. And 4 voltages let you power just about anything. You get 3, 4.5, 6 and 9 volts.

It's easy to compute what voltage you need. Round batteries are basically 1.5 volts. If for example your calculator has 3 batteries, simply select 4.5 on the selector switch.

Try the AC adaptor Battery Eliminator risk free. If you don't find thousands of uses for it, just return it in its original box within 30 days for a refund.

To order your Battery Eliminator risk free with your credit card, call the toll free hotline or send a check for just **\$9.95** (\$1.50 P&H) Order No. 9444.

Williston Audio Labs
Not for Resale

Phone Tap

Now you can tap your own phone, get perfect recordings and never cut a wire.

It's easy. Just insert the modular phone plug from the Phone Tap into any standard modular phone jack and plug the recording cable into any standard cassette recorder and you're ready to go.

The Phone Tap lets you make crystal clear cassette recordings of both sides of any phone conversation effortlessly. Plus it's totally automatic.

INTELLIGENT

Once you've put a recorder on your phone line, you sure don't want it to run all the time. You'd spend your whole day changing cassettes.

The Phone Tap automatically feeds the signal to, and automatically starts the tape recorder as soon as any receiver throughout your system is lifted. You will even get a recording of outgoing numbers as they are dialed, no matter which phone is used. It then stops recording immediately when the call is ended.

There are only two plugs for you to plug into your portable cassette recorder. Plug '1' is plugged into the mike input and plug '2' is plugged into the remote/pause. Virtually all portable battery or AC recorders work perfectly with the Phone Tap.

ILLEGAL

Caution...Please Note: It is illegal to tape many conversations. The Phone Tap makes absolutely no sound and when used in an office situation doesn't light any of the phone lights. So, you should warn the other party that the call is being recorded. Plus, it is illegal to record two people when neither of them knows that the recording is being made, such as on an office phone system or of a baby-sitter when you are out.

It is also illegal to use the Phone Tap on a party line as it will record all conversations on the line.

TRY THE PHONE TAP RISK FREE

Record your conversations. See if the sound isn't crystal clear. Feel the security of knowing that you have a 100% correct permanent record of your agreements.

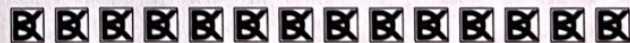
Try the Phone Tap in your home or office risk free. If you aren't 100% satisfied for any reason, simply return it in its original box within 30 days for a courteous refund.

To order your Phone Tap risk free with your credit card, call toll free, or send your check for just **\$24.90** (\$2.50 P&H) Order No. 9232.

If you need a high quality AC/DC portable cassette recorder to use with the Phone Tap (or for any general recording), we've got one that sounds great, for just **\$39.90** (\$3.50 P&H) Order No. 4216.

It has a built-in mike, a great sounding full range speaker and of course, the Phone Tap will plug right into it. It's about 9" X 6" X 2". Both the recorder and the Phone Tap are backed by standard manufacturers' limited warranties.

Now you'll have a permanent tape copy of all conversations. There's a real security in knowing you won't forget, and that you can back up what you've said.



Toll Free Customer Service

Once you place an order from DAK, we don't leave you out in the cold. You can call our toll free customer service department at **1-800-423-2866** or in Los Angeles, call **1-818-888-2695**.

You can check on your order, or let us know about any problems you may encounter with merchandise you have bought from us. Please use these numbers for problems. **The people on the main DAK order lines do not have any information about orders in progress or shipped merchandise.**





New Housing Breakthrough

It's new. And, it's old. DAK grew out of the industrial tape market. We manufactured tape for high speed duplicators who recorded music and voice tapes at 15 times normal speed.

We developed special cassette liners that would allow our cassettes to be ultra reliable even under the relentless demands of high speed professional duplication. In the liner pictured to the left, you can see the multiple creases that gently guide each layer of tape as it winds within the cassette.

Now, we've developed a housing that incorporates all we've learned about high speed, heavy-duty use. This housing will give you the kind of reliability from your car cassette player and your personal stereo that you'd only expect from your home cassette deck which, theoretically at least, handles your cassettes with loving care.

And, we have listened to your requests. There's more room to write on the label. We've added removable bias tabs for auto-bias decks. But most important, this super heavy-duty, dimensionally stable housing will give you maximum protection for your cherished tapes.

And at least for now, there will be absolutely no increase in price. All orders will be shipped with our super new music vault housing.

Normal Bias

Thundering bass and crystal clean highs are now a reality with DAK's new top of the line Gold Label MLX normal bias 90 minute cassettes.

These professional quality cassettes feature very special, ultra uniform and narrow ferric iron particles. These particles allow the oxide density to be much greater than previous ferric cassettes.

The denser particle packing (more particles per inch of tape) translates into improved frequency response, better signal to noise ratio and more headroom and dynamic range. And, it all makes sense because there's more magnetic material to work with per inch of DAK Gold Label MLX tape.

MLX cassettes offer you a frequency response capability that is superior to most good quality cassette decks. If your deck can handle it, you can expect a frequency response up to 19,500hz.

And even if your cassette deck doesn't record to 19,500hz, the sound you get will be clean and pure. And, speaking of

pure, the high density packing also gives you more headroom and dynamic range.

With your first recording, you'll notice superbly accurate recordings even at very high levels. The high density packing allows this tape to be recorded louder and driven harder than previous tapes.

And the tape will be quiet too. With the increased output, signal to noise ratio is improved so you'll get super clean quiet recordings.

The tape isn't the end of the story. DAK housings act like a vault to protect and guide your tapes. Each tape comes with labels, a deluxe index insert card and a beautiful all clear hard plastic box. DAK cassettes are backed by a full one year limited warranty.

You can pay \$4 to \$5 for cassettes like Maxell UDXL or TDK at your local Hi Fi store, or you can buy factory direct from DAK at tremendous savings.

To save you money, DAK only makes

MLX



90 minute cassettes and we offer them only in prepackaged units of 10. This saves us money and as you can see from our prices, saves you money too. So, why not order some today for our standard 30 day risk free trial. DAK Gold Label MLX 90 minute cassettes cost you just \$2.49 each or \$24.90 (\$1.50 P&H) for each group of 10. Order No. 9650.

If you're into dramatic good sound, you should be using DAK MLX 90 minute cassettes. They sound great!

High Bias Super MLX²

Why Chrome? DAK has never offered a chrome tape. And there was a good reason. The original Chrome formulations lacked both sensitivity and detail at the low end.

But, no more. After a very long wait, DAK is adding an incredible 90 minute Chrome (CrO₂) tape to our line. It's called Gold Label MLX² and the sound you'll get when you record on this tape will knock your socks off.

Why is it better? Well, the single greatest advantage of Chrome lies in the shape of its particles. Chrome is actually a synthetic mono-crystal that is grown under 30,000 pounds of pressure at a temperature of 900°.

These particles are very small, and very long and thin. What's really important is that they are all virtually identical in size. So, like our normal bias tapes they can be packed together very densely.

The recordings that you will get using DAK's new MLX² are nothing short of incredible. You'll have a frequency response that can top 21,000hz (assuming your deck can) and look at this. Without Dolby® this tape offers a signal to noise ratio of 62db. Think of what it will be with Dolby® B or C. Wow.

While the bass response is full rich and deep, this tape offers up to 6db more sensitive than previous tapes above 10,000hz. You'll capture the subtle harmonics of the most demanding recordings and play them back with the reality of a live performance.

Once you try and compare new DAK Gold Label MLX² to Maxell UDXL II or TDK SA, you'll probably never even consider paying the \$4 or \$5 you'd pay at your local Hi Fi store. We don't think there's even a contest any longer. But, when you make your test, be sure to use an original Direct to Disk or Digital recording. Or better yet, record live. The sound you hear is sure to amaze you.

DAK MLX² comes in DAK's deluxe vault like housing that will both protect and guide the tape for supreme reliability. It's backed by our one year limited warranty. And, it comes with labels, a deluxe index insert card and a beautiful all clear hard plastic box.

As with all DAK tapes, we save ourselves and you money by not wasting our time with lots of different lengths and packaging. We make only 90 min-



ute MLX² cassettes and we only package them in groups of 10. So, try our new Gold Label MLX² 90 minute cassettes under our normal 30 day risk free trial. They're just \$2.69 each. That's just \$26.90 (\$1.50 P&H) for each group of 10 you buy. Order Number 9651.

So which cassette do you use? Well, for normal records or FM, we recommend MLX, but for live recording, recording from digital or original pressing records, or for even the most demanding audiophile where only the best will do, use MLX². The sound is nothing short of breathtaking.

\$199 SUPER CLOSE-OUT

Computer Activator



Here's Olivetti's \$499 state-of-the-art, dry ink jet, plain paper printer. It prints up to 110 characters per second. You can use it with virtually any home or office personal computer. Price slashed to \$199.

By Drew Kaplan

Energize your computer. I've energized my Apple, but you can add super graphics and text capabilities to just about any personal computer you own.

Now you can literally turn your computer into an electronic paint brush with this revolutionary new Ink Jet, graphics capable, plain paper printer.

And look at this! In addition to great looking 'correspondence-quality' upper and lower case text, simple 'ESC' commands allow you to mix normal size text with double height and/or double width characters. You can even underline words three different ways.

You'll have all 96 standard American ASCII characters for your text. Plus, you can print in any of the 8 foreign languages whose characters are resident in this industrial office quality printer.

I've been using a daisy wheel printer with my Apple, but this Ink Jet printer is 3 times faster, whisper-quiet, and it allows me to produce phenomenal graphics.

You'll experience the thrill of actually writing your letters and reports on your computer. Now you'll be able to use all of your computer's word processing and correcting capabilities.

I can't overemphasize the convenience of never having to retype a letter or a long report because you find a misspelled word or a sentence you'd like to change. Wow, think of the time you'll save.

This printer connects to your computer through its standard Centronics parallel interface. So, whether you have

an Apple or an Atari (as I do), an IBM PC, a VIC 20 or anything in between, this is the one printer for you now and in the future.

THE PRINTER YOU'LL KEEP

This printer's sophisticated features and industrial dependability would normally make it too expensive for home use.

It was designed for heavy industrial work such as printing thousands of address labels. And, its super-fine graphics are perfect for scientific work.

The printer lets you use all types of paper. It comes with adjustable pin-feed tractor drive for fan-fold computer paper. It also has friction feed for single sheet paper (like your letterhead). And it has roll supports for continuous roll fed paper.

So, while you may upgrade your computer in the future, once you've tried Olivetti's whisper-quiet Ink Jet printer, you'll simply plug this printer into any new computer you buy.

And, if you already have a slow daisy wheel printer like I did, a thermal or even a dot matrix printer, when you compare the speed, graphics capability and dependability of this printer, you may just plug in both printers.

Plus, if you carry a briefcase-type portable computer, at DAK's \$199 super close-out price, you can now have printers both at home and at the office.

FINEST GRAPHICS

Wait till you see the graphics capabilities of this printer. Ink Jet printing allows for solids and detail simply not possible with conventional dot matrix printers. You can copy words or pictures from

disks or memory. Or, you can dump what's on the screen onto paper. Think of what you can do with a Koala Pad.

And, look what this printer will do. You can double the size of your graphics by using the Zoom command. You can turn the image with a rotation command. And you can even reverse (negative image) your graphic image.

You can do any or all of the above commands and more, as many times as you wish from the same screen dump.

With an incredible 110 point per inch horizontal resolution and 216 point per inch vertical resolution, Olivetti's Ink Jet technology leaves virtually any conventional dot matrix printer in the dust.

INK JET PRINTING EXPLAINED

Forget everything you've heard about dot matrix printing. Ink Jet printing is light years ahead.

This Olivetti printer at only \$499 is the world's first low cost (under \$3000) non-impact printer that uses plain paper.

There's no heavy print head containing steel pins that are mechanically driven out against a ribbon that in turn strikes your paper and the rubber platen roller.

Since there's no ribbon to fade and wear out or platen to become hard or irregular, you won't experience the variations and inconsistencies associated with conventional dot matrix printing.

The Olivetti Ink Jet printer head consists simply of a low mass microprocessor controlled disposable glass ampule containing dry ink.

There is an electrical contact at the

A photograph showing a metal paperclip and a metal pen lying horizontally on a dark red, textured surface. The paperclip is in the foreground, and the pen is behind it. The pen has a silver-colored barrel and a black grip section. The paperclip is made of a single piece of wire bent into a U-shape with a small loop at the top.

The process is incredibly fast, accurate, and except for the crackling sound of the arc itself, virtually silent.

You can forget the 65db to 85db oppressive sound of other dot matrix printers. Ink Jet printing is whisper-quiet. So, you can use this printer while you talk on the phone or in a crowded office.

And, unlike ribbons which fade with use, the first dot from an ampule will be identical to the last.

You'll find all the extras. Its printing is bi-directional for maximum speed and life. It seeks the shortest printing path, not going to either margin extreme unless there are characters to print.

You'll have a full 1 K buffer with overflow protection. And, you'll have a printer self-test and configuration print out on demand. Of course, there are 'Line Feed' and 'Form Feed' buttons. And, form length is programmable.

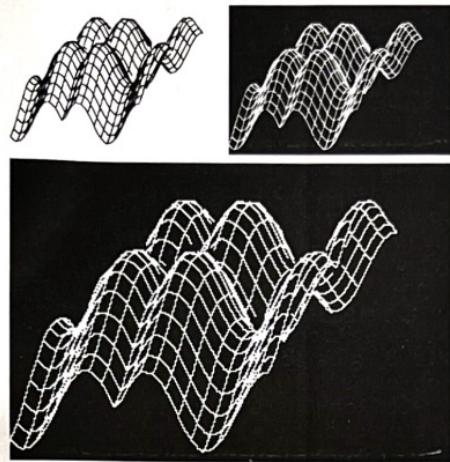
WHY SO CHEAP

At its \$499 suggested retail price, they said: "The printer is priced lower than most comparable printers on the market today, yet it far outperforms its most fierce competitors. . ."

Olivetti USA is now controlled by Docutel, the people who make the electronic bank teller machines. There's been a major change in management and sales people.

DAK bought all 12,000 that Olivetti

And, don't worry. Thousands of these printers have already been sold at retail. Of course, Olivetti guarantees that the standard Ink Jet ampules are and will be available at Olivetti dealers nationwide.



With this printer you can alter your graphics as you desire. I actually produced the graphics and characters above on this printer. (They're shown at 44% normal size to fit in this catalog.) The top left is normal, the top right is reversed and the bottom is double size and reversed. The text above shows the alphabet, but check all the sizes I printed in the main picture to the left.

Any Computer with a standard Centronics parallel port, such as: **Apple, Franklin, IBM PC, TRS80, Osborn, Atari, Commodore VIC20, Commodore 64, Kaypro** and, virtually any other personal computer. Plus, most briefcase portables.

An interface isn't just a simple cable. It's actually an intelligent translator that lets your computer talk to another piece of equipment.

Usually the computer manufacturers don't include the various interfaces when you buy your computer, because they don't know if you'll ever add peripherals such as disk drives, printers or modems.

There are two types of printer interfaces. The first allows you to do text word processing. For 99% of computer use, this is all that is needed. It translates all the possible letters and punctuation known as ASCII. Olivetti's printer understands all 96 possible American characters plus 8 foreign languages.

A second type of interface also allows you to dump pictures or graphics from your screen or memory. This is more complicated because every dot must be told where to go. This interface, or 'driver program' as it is called, is available in two forms. Built into an interface card, or as a program on a disk which you use in conjunction with any standard interface.

Either way, you'll have the printer operating in just a few minutes. And if you already have a printer, the same Centronics parallel interface and cable (about 85% of all printers are compatible) should

Now we can all have printers with our computers. If you've got a VIC 20 hiding in the closet, you can now have a real word processor. If you've got an Apple or IBM PC, now you can have almost silent 110 character per second printing.

Now you can print out your programs, your notes or your letters. If you're not 100% satisfied, simply return the printer and any accessories in their original boxes to DAK within 30 days for a refund.

To order Olivetti's Ink Jet 110 Character Per Second Plain Paper Printer with Traction Feed, Friction Feed, Roll Paper Mounts, Dust Cover, Full Instructions and 4 Ink Jet Ampoules (600,000 characters) risk free with your credit card, don't send the \$499 suggested retail price.

Don't even send the \$312 August 1983 dealer price. Send just **\$199** plus **\$8** for postage and handling. Order Number 9875. CA residents add sales tax.

Boxes of Ink Jet ampules are available for just **\$6.50** (\$0.50 P&H) per box of 4 (600,000 characters). Order No. 9876.

Standard Centronics interfaces are available at any computer store for your computer. Below are 5 of our favorites.

For your Apple. We have Practical Peripherals' text interface for just **\$49** (\$2 P&H) Order No. 9877. We have their graphics capable interface for just **\$79** (\$2 P&H) Order No. 9887. If you have a Centronics parallel interface, we have a graphics driver program on disk for just **\$7** (\$1 P&H) Order No. 9878.

For your IBM PC, you don't need an interface. It's already built-in. But, you do need a cable. We have a cable, ready to connect this printer to your computer, for just **\$19** (\$2 P&H) Order No. 9879. We have a graphics driver program on disk for just **\$7** (\$1 P&H) Order No. 9880.

For your Atari 800, 800XL, 400, or 600XL, we have a text interface for just **\$69** (\$2 P&H) Order No. 9881. We have a graphics driver program on disk for just **\$7** (\$1 P&H) Order No. 9882.

For your Commodore VIC 20 or 64, we have a text interface for just **\$39** (\$2 P&H) Order No. 9883. We have a graphics driver program on disk for just **\$7** (\$1 P&H) Order No. 9884.

For TRS 80 Black & White computers (TRS 80 color is serial), you don't need an interface, just a cable. We have a cable for **\$18 (\$2 P&H)** Order No. 9885.

For **briefcase-type** portables, the Centronics interface is usually built-in. Just stop by any computer store. All Centronics printers use the same cable at the printer end, but you'll need a cable that fits your particular computer's plug.

Get hard copy print outs of your programs or your graphics. Turn your computer into a powerful word processor. Forget retyping ever again. And forget Olivetti's \$499 suggested retail price!

Apple, IBM PC, Franklin, Commodore VIC 20 & 64, and TRS80, are registered trademarks of Apple Computer, International Business Machine Corp., Franklin Computer, Commodore Electronics Ltd., and Radio Shack/Tandy respectively.

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Subwoofer

Man's best friend meets the audiophile's best friend.

A puppy may be man's best friend. Woof. Woof. . . But, now I've got a new friend you can add-on to your stereo system that doesn't need to be taken on walks, washed or fed. But, it makes a great cocktail table for you when you're being fed, and oh what a woof it has.

GREAT SOUND FOR EVERYONE

It's called a Subwoofer. And, normally it is the beloved pet of only the most ardent audiophiles.

It is not generally understood that it can be used with virtually any speaker systems in any stereo. And, in addition to substantially increasing and perfecting the bass response, it also has a significant impact on the midrange clarity too.

Before I tell you exactly how marvelous your stereo will sound when you connect this Subwoofer to it, there are two things you should know.

First, you'll be getting your new friend at a large discount. Over 50% off retail. And Second, you won't have to worry about paying vet bills.

Your new friend comes complete with a paid up health insurance policy in the form of a 5 year limited warranty from its father, Cerwin-Vega.

And, after 25 years, Cerwin-Vega certainly qualifies as the father of deep rich bass. Their disco systems have just about shaken California right into the ocean.

But, don't be misled. Cerwin-Vega bass is clean and tight; never sloppy or overpowering. It adds a feeling of depth and fullness to your music that you simply can't get with conventional two or 3-way speaker systems.

HERE'S WHAT IT DOES

Basically, the problem with most speaker systems is that the bass overpowers the system. In a 3-way system, a woofer may be crossed over at about 800hz. And, in a 2-way system as high as 2-3000hz.

So, the speaker must handle movements of up to an inch at frequencies below about 80hz, while at the same time attempting to reproduce the very fine vibration type movements of the midrange frequencies.

It is this difference in movements that causes both the bass to be weak or non-precise, and the midrange to become muddy. Even the best 3-way systems fall prey to these problems.

PROBLEM SOLVED

It has a specially engineered crossover network that sends frequencies above



120hz to your regular speakers and reproduces just the mammoth movement frequencies from 120hz down to 29hz with a special floor firing dual wound super woofer. (If you have downstairs neighbors, this Subwoofer isn't for you.)

The woofer is a very special hybrid. It has a mammoth two inch voice coil which is about double the average size of a woofer in a two or 3-way system.

This large voice coil allows the speaker to make the very large movements required to reproduce the very low frequencies.

But, it would do a lousy job of reproducing midrange or high frequencies which is why, cost aside, manufacturers don't put big coils in normal woofers.

To make the massive movements, this woofer has a very large speaker magnet that weighs an incredible 112 ounces. This super magnet also makes the subwoofer system extremely efficient. (The

PUPPY LOVE AT 50% OFF



Here's a 'floor's eye view' of the subwoofer. The woofer is positioned just 3" off the floor. You'll feel and hear bass so alive, you'll think it is.

sensitivity is 92db at 1 watt at 1 meter).

Finally, even the cabinet is special. It produces extremely high bass efficiency which is derived from the Helmholtz resonator design. In fact, this is the newest of Cerwin-Vega's Subwoofers, the SW12B and it has an increased output of 2db at 30hz over the original SW12.

So, whether you have two or three-way speaker systems, with 8", 10" or 12" woofers, you will find the sound and sonic differences staggering.

EASY HOOKUP

It's easy to connect. You simply run both the right and left channels from your amplifier to the input terminals of the woofer. It works with any system from 15 to 125 watts per channel.

The signal is passed through its special massive crossover network to two totally separate voice coils on the woofer. Then you connect the speaker wires from your two stereo speaker systems to the output terminals on the Subwoofer and only the 120hz signals and above reach your speakers.

Placement of your regular speakers is just as critical as usual for stereo imaging, but the Subwoofer can be placed anywhere because low frequency material is totally nondirectional.

The Subwoofer makes a perfect end table or cocktail table. Its rich woodtone appearance matches any decor and it is 25½" long, 13¼" high and 16¼" wide.

TRY AUDIOPHILE'S BEST FRIEND RISK FREE

The fullness, richness and depth is awe inspiring. Connect this Subwoofer to your system and you'll feel and hear your music like you never have before.

If you aren't 100% satisfied, simply return it to DAK in its original box within 30 days for a courteous refund.

To order the new improved Cerwin-Vega SW12B Subwoofer risk free with your credit card, call toll free, or send your check, not for the \$332 retail price of the earlier SW12, but for just \$164.50 plus \$14 for postage and handling. Order No. 9714. CA res add 6% tax.

You can't replace the love and softness of a warm puppy. But, wait till you experience the richness and depth this Subwoofer will add to your bass and the clarity you'll hear in your midrange. It lets a smaller system sound massive and lets a large system achieve its potential.



DAK

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Not for Resale

The Great \$69 High Speed Dubbing Catch

Get your tape collecting into high gear with ONE of these high speed portable cassette duplicators and AC/DC Stereo Music Systems. The Choice is yours for \$69, but don't forget there's a catch.

You have friends. Your friends have friends. Why not pool your resources and dramatically increase your cassette collection with the latest in high speed, high quality tape duplicators?

At a friend's house, at a party, or even at work, you can now increase your music collection effortlessly. Plus, you can play two cassettes in tandem for uninterrupted musical enjoyment, or enjoy great sounds from Am or FM stereo.

You can copy cassettes while operating from standard AC house current (AC cord included), or from batteries (not included). **SURE YOU CAN TAKE IT WITH YOU**

Switch it on and you'll instantly hear the great sound quality that these systems produce. But, wait till you hear the quality of the original cassette recordings and copies that you'll make.

Just to test the quality of the copies, take your favorite tape, copy it, and then compare the difference. You'll be amazed at the crisp high quality of the new copy.

A note about Dolby®. If you have a tape recorded with either Dolby B or C, you can copy it on these decks and the copy will still be properly encoded. If you simply play a Dolby tape, it will sound brighter and more vibrant than normal.

In fact, because the highs are boosted, people record cassettes in Dolby to play through their high-end starved car stereos to make them sound vibrant.

BUT IT'S THE MUSIC

Sure you'll make copies, and sure you'll add to your collection. But most of the time, you'll simply want to hear beautiful music. And look what you'll get.

First, you'll play beautiful music for a long time. When you select 'Continuous Play', either machine will allow you to listen to the cassette in Deck A, and then automatically switch to the cassette in Deck B for uninterrupted music.

You can select your choice of the sensitive AM or FM stereo, tuners which really pull in even distant stations.

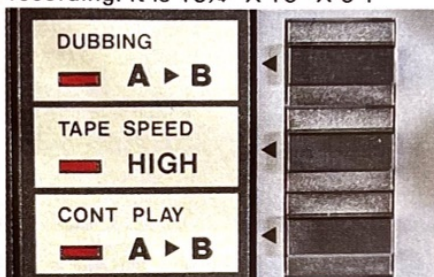
I couldn't decide which machine I liked best, so I'm leaving it up to you. All features described so far are on both machines. But, don't forget the catch.

TIME TO MAKE A CHOICE

The Emerson adds a switchable Loudness Circuit to add extra bass when you're out in the great outdoors. It has one built-in mike. And it has great sounding full range speakers. It also has an 'AUX IN' for a ceramic phono. And, it has a



mike mixing control that lets you plug in your own mike and add your voice to the recording. It is 19 1/4" X 10" X 6".



The Unitech has a 5 band equalizer so that you can really sculpture your sound. And it has detachable speaker systems consisting of 6 speakers, 4 woofers and 2 piezo tweeters. It has 2 built-in mikes. It is 22" X 5 1/4" X 5 1/4".



Each machine is backed by its respective manufacturer's limited warranty.

A SIMPLY PERFECT CATCH

What could go better with a high speed dubbing machine than 10 DAK MLX Gold Label 90 minute cassettes? And, selling you these duplicators is a clever ploy to sell you more cassettes in the future.

We make a cassette with great sound and no problems. We want you to try DAK's Gold Label MLX ultra high energy, normal bias cassettes. Not at \$4.50 or

even at \$3.50 each, but factory direct for just \$2.49 for a 90 minute cassette.

We challenge you to compare the frequency response, dynamic range and signal to noise ratio of our Gold Label MLX to Maxell UDXL or TDK SA. DAK's have a frequency response to 19,500hz and come with a hard plastic box, an index insert card and a limited 1 year warranty.

\$69 HIGH SPEED DUBBING RISK FREE

To get your choice of the high speed dubbing music centers, just try 10 DAK MLX high energy cassettes. If you aren't 100% satisfied with the cassettes or the machine, simply return only 9 of the 10 cassettes and the machine in its original box within 30 days for a refund.

To order your 10 Gold Label DAK MLX 90 minute cassettes and get the High Speed Dubbing Music Center of your choice risk free with your credit card, call toll free or send your check for just \$24.90 for the 10 tapes, \$69 for the Machine and \$7 for P&H. CA res add tax.

Use Order No. 4324 for Emerson's Machine and 10 tapes, or Order No. 4325 for Unitech's Machine and 10 tapes. Now you can increase your tape library and enjoy great sounding music wherever you are, and buy lots of DAK cassettes.



DAK
INDUSTRIES INCORPORATED

TOLL-FREE ORDER LINE

For credit card orders call 24 hours a day 7 days a week
CALL TOLL-FREE. 1-800-325-0800
8200 Remmet Ave., Canoga Park, CA 91304



Williston Audio
Not for Resale



20" Sensory Blast Plus

Immerse your senses in the vibrant color and phenomenal sharpness of this new 20" square screen, 139 channel, cable compatible TV/Monitor with its completely integrated Audio Video System. And, oh what sound!

It's the newest. It's the sharpest. And, it will even make your video recorder cable compatible. Plus, it's stereo adaptable and you can listen to it through its integrated audio system.

The newest improvement in picture tubes is called square corner, or flat screen as it's called by some companies.

You'll see a remarkable improvement in resolution, especially around the edges if you compare it to a conventional TV.

And, because this TV has full monitor capability, you can plug your video recorder's video and audio outputs directly into the monitor for superb pictures.

And, because there are video and audio outputs directly from the synthesized tuner, you can feed any of the 139 channels from this TV's tuner to the video and audio inputs of your video recorder.

This is really a videophile tuner and monitor built into one chassis. And, you'll instantly appreciate just how bright and vibrant the picture is, the moment you turn it on.

YOU'RE PROTECTED

Before we look at the remote control and the great sounding stereo system, complete with a Dolby cassette deck, let's see how you're protected.

But, don't forget, you'll have on-screen time and channel, and just about every convenience feature you can imagine from this top of the line marriage of audio and video.

Emerson backs this system with their new 6-2-1 special limited warranty. You'll have a full 6 years of protection for the picture tube. You'll have a full 2 years

of protection on all other parts.

And, you'll have a full year of protection on labor. Wow, how can you go wrong! Emerson is putting its money where its mouth is with this warranty.

SOMETHING FOR EVERYONE

Just flip a switch. If you don't have cable, you can receive all VHF and UHF stations. But if you have cable, or if it's coming to your area, we've got it all.

And having it all, means the latest 20" square corner, super bright tube, super brilliant picture, and all electronic direct access frequency synthesized color tuning. Plus, auto-color, auto-fine tuning, auto-scan and much more. But, let's examine 'cable compatible' first

Now you can tune in up to 139 channels from your easy chair. This new cable compatible TV tunes all standard VHF channels 2-13, VHF Mid-Band Channels 14-22, plus the VHF Super Band Channels 23 to 36. It then continues on and tunes in Hyper-Band 37 to 60.

Channel Number on TV	14	15	16	17	18	19	20	21	22	23
Corresponding CATV Channel	A	B	C	D	E	F	G	H	I	J
24	25	26	27	28	29	30	31	32	33	34
K	L	M	N	O	P	Q	R	S	T	U
35	36	37	38	39	40	41	42	43	44	45
V	W	AA	BB	CC	DD	EE	FF	GG	HH	II
46	47	48	49	50	51	52	53	54	55	56
JJ	KK	LL	MM	NN	OO	PP	QQ	RR	SS	TT
57	58	59	60	61	62	63	64	65	66	67
UU	VV	WW	XX	YY	ZZ	AAA	BBB	AAA	A4	A3
68	69	70	71	72	73	74	75	76	77	78
79	80	81	82	83	84	85	86	87	88	89
90	91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110	111
112	113	114	115	116	117	118	119	120	121	122
123	124	125	126	127	128	129	130	131	132	133
134	135	136	137	138	139	140	141	142	143	144
145	146	147	148	149	150	151	152	153	154	155
156	157	158	159	160	161	162	163	164	165	166
167	168	169	170	171	172	173	174	175	176	177
178	179	180	181	182	183	184	185	186	187	188
189	190	191	192	193	194	195	196	197	198	199
200	201	202	203	204	205	206	207	208	209	210
211	212	213	214	215	216	217	218	219	220	221
222	223	224	225	226	227	228	229	230	231	232
233	234	235	236	237	238	239	240	241	242	243
244	245	246	247	248	249	250	251	252	253	254
255	256	257	258	259	260	261	262	263	264	265
266	267	268	269	270	271	272	273	274	275	276
277	278	279	280	281	282	283	284	285	286	287
288	289	290	291	292	293	294	295	296	297	298
299	300	301	302	303	304	305	306	307	308	309
310	311	312	313	314	315	316	317	318	319	320
321	322	323	324	325	326	327	328	329	330	331
332	333	334	335	336	337	338	339	340	341	342
343	344	345	346	347	348	349	350	351	352	353
354	355	356	357	358	359	360	361	362	363	364
365	366	367	368	369	370	371	372	373	374	375
376	377	378	379	380	381	382	383	384	385	386
387	388	389	390	391	392	393	394	395	396	397
398	399	400	401	402	403	404	405	406	407	408
409	410	411	412	413	414	415	416	417	418	419
420	421	422	423	424	425	426	427	428	429	430
431	432	433	434	435	436	437	438	439	440	441
442	443	444	445	446	447	448	449	450	451	452
453	454	455	456	457	458	459	460	461	462	463
464	465	466	467	468	469	470	471	472	473	474
475	476	477	478	479	480	481	482	483	484	485
486	487	488	489	490	491	492	493	494	495	496
497	498	499	500	501	502	503	504	505	506	507
508	509	510	511	512	513	514	515	516	517	518
519	520	521	522	523	524	525	526	527	528	529
530	531	532	533	534	535	536	537	538	539	540
541	542	543	544	545	546	547	548	549	550	551
552	553	554	555	556	557	558	559	560	561	562
563	564	565	566	567	568	569	570	571	572	573
574	575	576	577	578	579	580	581	582	583	584
585	586	587	588	589	590	591	592	593	594	595
596	597	598	599	600	601	602	603	604	605	606
607	608	609	610	611	612	613	614	615	616	617
618	619	620	621	622	623	624	625	626	627	628
629	630	631	632	633	634	635	636	637	638	639
640	641	642	643	644	645	646	647	648	649	650
651	652	653	654	655	656	657	658	659	660	661
662	663	664	665	666	667	668	669	670	671	672
673	674	675	676	677	678	679	680	681	682	683
684	685	686	687	688	689	690	691	692	693	694
695	696	697	698	699	700	701	702	703	704	705
706	707	708	709	710	711	712	713	714	715	716
717	718	719	720	721	722	723	724	725	726	727
728	729	730	731	732	733	734	735	736	737	738
739	740	741	742	743	744	745	746	747	748	749
750	751	752	753	754	755	756	757	758	759	760
761	762	763	764	765	766	767	768	769	770	771
772	773	774	775	776	777	778	779	780	781	782
783	784	785	786	787	788	789	790	791	792	793
794	795	796	797	798	799	800	801	802	803	804
805	806	807	808	809	810	811	812	813	814	815
816	817	818	819	820	821	822	823	824	825	826
827	828	829	830	831	832	833	834	835	836	837
838	839	840	841	842	843	844	845	846	847	848
849	850	851	852	853	854	855	856	857	858	859
860	861	862	863	864	865	866	867	868	869	870
871	872	873	874	875	876	877	878	879	880	881
882	883	884	885	886	887	888	889	890	891	892
893	894	895	896	897	898	899	900	901	902	903
904	905	906	907	908	909	910	911	912	913	914
915	916	917	918	919	920	921	922	923	924	925
926	927	928	929	930	931	932	933	934	935	936
937	938	939	940	941	942	943	944	945	946	947
948	949	950	951	952	953	954	955	956	957	958
959	960	961	962	963	964	965	966	967	968	969
970	971	972	973	974	975	976	977	978	979	980
981	982	983	984	985	986	987	988	989	990	991
992	993	994	995	996	997	998	999	1000	1001	1002

MOVIE CHANNELS

If there's a movie channel on your cable and it's not scrambled, this TV is all you need. If it's scrambled, you'll need the cable company's box.

Note: Check with your cable company before viewing anything at all, to see if they require you to pay a fee.

Note: Cable Compatible and Cable Ready mean the same thing. The industry is requesting the use of the word 'compatible' so as not to infer that you can get scrambled channels.

SPORTS PLUS

There are lots of 'Super Channels' broadcast on cable. Most of them are simply broadcast outside your normal TV's tuning range. But now, many of them can be yours. There are the All Sports and All Movie Channels. Plus, there's Cable News Network and much more.





INFRARED REMOTE CONTROL

Here's the best part. With most cable boxes you can't use your TV's remote control. But with a cable ready TV, you're in complete command, and you're in command from your favorite easy chair.

And, don't forget that you can simultaneously be sending signal to your video recorder. So, not only do you make your video recorder cable compatible, you can change channels remotely as well.

Just get your hands on the wireless infrared remote control and the world is yours. You'll have direct random access to all channels. So, for example, you can switch directly from channel 2 to channel 18 electronically.

You'll see the channel you've chosen displayed right on the TV screen along with the time. And, any time you push 'Recall' on the remote, you'll see the time and channel on the screen again.

After you've chosen the channel you want, you'll have total control of the



volume. Plus, if the phone rings or a commercial comes on, you can even mute the sound with a single button.

But if you're like me, whenever a commercial comes on, I like to push the scan button and 'check out' what's on the other channels. Of course, you can turn the TV on and off with the remote.

You can also fine tune the picture, review the last channel you were watching and set the TV to turn off automatically by pushing the 'Sleep' button on the remote.

BUT IT'S THE PICTURE

At the set, you'll have full random access electronic frequency synthesized tuning. Electronic tuning means there are no mechanical tuners to wear out or to cause snow. Frequency synthesized means that this set will 'lock in' and automatically fine tune.

AFT automatically fine tunes each channel you tune in, and prevents frequency drift. When you touch Auto-Scan, an automatic channel search is carried out for you. The TV will only stop at channels that are broadcasting in your area.

And, this is very important. Unlike most electronically tuned sets that only allow you to preset 12 channels, this TV allows you to tune in all 139 channels.

The TV has an earphone jack that shuts off the speaker and a line output jack that plugs into the music center. Now you'll hear TV sound as you've never heard it before.

In addition to the sleep system described with the remote, you can set the TV to come on or turn off at any time.

This state of the art cable compatible TV has many more features including quick start, auto degausser, and both 75ohm and UHF connections.

LET THERE BE MUSIC

And wait till you hear the sound. Aside from fabulous TV sound, you've got Emerson's best music center ever. Each section is carefully designed to bring superb, dramatically pure sound to your home.

The cassette deck features a smooth-acting, auto-feather touch mechanism that will gently cherish your best tapes. You can record and play both normal and CrO² cassettes. And for whisper quiet

recordings, there's Dolby B.

The AM and FM stereo tuners are really special. Tuning is totally automatic.

Just touch the up or down tuning buttons and the tuner will seek out the next station automatically. Or, switch to manual and check out each station if you wish.

You can select fast or slow scan, mono or stereo, and there are FM stereo and signal strength indicators.

The turntable is the latest front load type with a fully motorized door. Just push 'open' and the door will glide open. Put on your record and push the button again. The door will glide shut.

The turntable features a low mass arm, plays both LPs and 45s, and has a front panel fine speed adjustment control.

The integrated amplifier has a 5 band graphic equalizer, electronic volume control buttons, and loudness contour.

Two ported bass reflex modular tower speaker systems produce great sound. Each features two driven woofers (no passive radiators) for massive sound, and a soft dome super tweeter. You'll love the sound from the stereo, and you'll be amazed at the sound from the TV. The audio portion is covered by Emerson's standard limited warranty.

It's a solid 4 foot feast of sight and sound. The system is perfectly matched in striking silver and black.

The TV is 19 1/4" wide, 19" high, and 19" deep. The music center is 15 1/2" wide, 14 1/2" high, plus the 5" cassette drawer and 16" deep. Each speaker is 19 1/2" high, 6 3/4" wide and 8 3/4" deep.

TRY 20" SENSORY BLAST PLUS RISK FREE

Tune in VHF, UHF or cable on the TV. Carefully inspect the picture for clarity, brilliance and vividness of color. The picture quality is simply breathtaking.

Listen to the TV through the music center. Then listen to your favorite cassettes, records and radio stations.

This is an ideal main system for your home. And, at DAK's price, what a luxurious system for your bedroom. Wow!

Note: Although this is an Audio Video System, the TV and Stereo System may be separated to suit your needs.

Try it all in your own home. If you're not 100% satisfied, return it in its original boxes within 30 days for a refund.

To order your Emerson Wireless Infrared Remote Control Cable Compatible 20" Square Screen TV/ Monitor and Integrated Super Music System, send DAK's truckload price of just \$599 plus \$75 for postage and handling. Order No 4317.

Vibrant color TV, infrared wireless remote control, Dolby cassette and automatic Tuners will delight both your senses of sight and sound.



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Sound Cannons

You'll have sound to spare when you hook up these BSR 3-way speaker systems.

It's big sound at a small price. Close your eyes. Imagine the full resonant bass of a pipe organ and the startling sound of a cymbal crash.

Now open your eyes and check out the incredible \$49 price (\$98 per pair) we've got on these BSR 3-way speakers.

BEAUTY AND BRAWN

You're not getting Low Fi. These speakers handle up to 90 watts peak, 45 continuous RMS watts of power. And, they handle it very well indeed.

A 10 inch acoustic suspension woofer with a massive magnet, belts out the bass.

You'll get clean mid-range from a 4 inch precision ferro-fluid driver that is actually mounted in its own 'cabinet'.

The back of both the mid-range and tweeter are sealed so they won't act as passive radiators for the powerful bass that is resonating throughout the cabinet.

The cabinet is 22 3/4" by 12 3/4" by 9 1/4". It has a beautiful wood-grain appearance and a lovely decorative removable grill.

The tweeter is a 3" super high frequency ferro-fluid driver complete with sealed back. It really delivers sharp clear highs. Plus, its brightness is controlled by a rear mounted volume control.

YOUR EAR

Each speaker and crossover network is carefully matched and the crossover points are at 1,000hz and 4,000hz.

BSR's suggested list price is \$99 per speaker. (\$99 X 2 = \$198). We're sure that your ears would be pleased at \$198, and at \$98 for a pair, they'll be amazed. A fuse protects the tweeter, and BSR's 2 year limited warranty protects you.

TRY THE SOUND CANNONS RISK FREE

Hook them up. Play a dramatic record or tape. You'll feel a warm resonant bass, a clean mid-range and a sharp clean



PRICE SLASHED

List price was \$99.

DAK sold them for \$49

NOW JUST \$39

Use Order No. 9442 plus (\$9 P&H)

high-end that you control.

It's your ears that decide. So if you aren't 100% satisfied, simply return the Sound Cannons to DAK in their original boxes (they're packed separately) within 30 days for a courteous refund.

To order your Sound Cannons risk

free with your credit card, call toll free or send your check, not for BSR's \$99 suggested retail price, but for only \$49 each. (\$9 each P&H) Order No. 9442.

Speakers can make or break the sound quality of a stereo system. Here's a lot of speaker for very little money.

Mini-Sound Cannons

Most people would call these 'main speakers'. At DAK we just call them neat extra speakers.

It's true. Most DAK customers are really into their sound. So, we think that these neat, relatively small 18 3/4" by 10 3/4" by 9" speaker systems from BSR are great for your bedroom or den.

In all candor, they really have a neat sound. An 8" woofer in combination with a tuned port, produces much more and cleaner bass than you'd expect. The crossover is at 4,000hz and a super 3" tweeter produces a clean high end.

With a very pleasing frequency response from 40hz to 18,000 hz, you get an awful lot of clean sound from these speakers.

The speakers feature a removable grill and really beautiful wood-grain appearance cabinets. They can handle 30 watts RMS.

The tweeter is fuse protected, and speaking of protection, you're protected by BSR's 2 year limited warranty.

TRY MINI-SOUND CANNONS RISK FREE

These speakers will not knock the paint off your walls or cause earthquakes of the magnitude that would cause California to fall into the ocean.

But, they really produce an unexpectedly clear and full sound. You won't be disappointed. So, try a pair in your own home. If you aren't 100% satisfied, simply return them in their original box (they come packed in pairs) within 30 days for a refund.

To order your Mini-Sound Cannons risk free with your credit card, call toll free or send your check, not for BSR's \$119 suggested retail price per pair, but for only \$59 for the PAIR (\$9.50 per pair P&H) Order Number 9454.

These speakers are lovely, but unobtrusive and have a much bigger sound than size.



PRICE

SLASHED

DAK sold a PAIR for \$59

NOW JUST \$49

Order No. 9454 plus (\$9.50 P&H)

Williamson
Audio
Not for Resale



The \$129 Electronic Conspiracy

It's a plot. Using this deck will make you a pawn in a conspiracy. It's yours for just \$129, but there's a catch.

First there was music. And our enjoyment made the record companies rich. Then, with the invention of the cassette, we tape companies made money too as millions of cassettes found their way into home stereo systems.

Then the plot continued. Instead of just letting you enjoy free music from your radio when you were in your car, the 'commercial free' car cassette deck was introduced.

You were able to listen to your favorite music cassettes whenever you wanted to hear them, without bothersome radio commercials, in your car and at home.

But considering the adverse environmental conditions in your car, we tape companies 'rightfully' advised you to make a second copy of your favorite music to protect your cassettes.

And guess what? We were able to sell twice as many cassettes.

About this time, people learned that they could copy their friends' cassettes and very quickly build up a really terrific cassette collection of their own. And of course, everyone used more cassettes.

Finally, the personal cassette stereo entered the market. And, do you even need to guess?

Now you can listen to your favorite cassettes anywhere, anytime. But because of the tough conditions for your cassettes, you'll need a third copy of each cassette.

So, no matter what your taste in music, you'll need two or three copies of each tape you have.

FIENDISH PLOT

Wait till you realize just how devious the plot becomes as you use the cassette deck above. And, although anyone can see it's a dual deck, it's what you don't see that will really burn up the cassettes.

Here's a deck with a frequency response from 30-15,000hz with normal tape and 30-17,000hz with metal tape.

Its function controls are soft-touch for easy on the finger control with enhanced reliability. It has 2 color LED level meters, auto level control for dubbing, and linear volume controls for mikes and line inputs.

THE PLOT THICKENS

You'll enjoy listening to your music and making copies like never before

with this all new deck.

High-Speed Dubbing-When you push the blue dubbing button between the two decks, deck 1 will begin playing and deck 2 will begin recording automatically.

But, there's more. If you push the blue button to the right, you'll make great sounding copies at double speed. So, you can cut your dubbing time in half.

APSS-Let's say you're listening to a song you'd like to hear again. Just touch reverse APSS and the deck will locate the beginning of the song and start it over.

If you'd like to skip the rest of the song or continue skipping songs, just press forward APSS.

Since APSS locates the beginning of each song on the tape, this feature will facilitate your choice of which songs to copy and in what order you want them.

Relay-Play-Just put a cassette in either deck and push Play. Then put a cassette in the other deck, push Continuous Play and Play. When your first cassette finishes, your second cassette will begin.

Sound On Sound-If you sing, this is the deck for you. Here's what you do. You can play a music tape on deck 1, plug in a mike and sing along while you record everything on deck 2.

Or, if you're really into professional applications, look at this. Plug in a mike and record your own voice on deck 2.

Then play the tape back on deck 1 and copy the tape onto deck 2. While the tape is being copied, you can add yourself singing harmony. In this way, you can be a duet, a trio or even a chorus.

MUCH MORE

The heads in this deck are hard permalloy. And the erase head is ferrite.

Independent electronically controlled DC motors provide flawless tape movement. And, a controllable Record Mute lets you make silent tape starts, stops and breaks while you are recording.

About the only thing this deck doesn't have is Dolby C. But, with its 66db signal to noise ratio with Dolby B, and its super wide, clean frequency response, it simply sounds great.

This incredible deck is made by Sharp. It is 17" wide, 4 1/4" tall and 8 1/2" deep. It's backed by Sharp's limited warranty.

THE CONSPIRACY'S CATCH

What could go better with a high speed dual deck than 10 DAK MLX Gold Label 90 minute cassettes? If you buy top name TDK and Maxell cassettes, we want you to try DAK's MLX ultra high energy, normal bias cassettes with a frequency response up to 19,500hz.

Why pay \$4.50 or even \$3.50? Buy our 90 minute cassettes at a factory direct price of just \$2.49 each. DAK makes a cassette with great sound and no problems.

We challenge you to compare the frequency response, dynamic range and signal to noise ratio of our Gold Label MLX to Maxell UDXL or TDK SA. If they win, we'll not only give you back your money, we'll give you a free gift.

So, we're putting our money where our mouth is when you test our cassettes. DAK's come with a deluxe hard plastic box, an index insert card, and a limited 1 year warranty.

DUAL CONSPIRACY DECK CATCH RISK FREE

Try recording. Feel the solid quality of the controls. Make flawless copies, originals, and sound on sound recordings.

To get Sharp's dual cassette deck for \$129, just try 10 DAK MLX high energy cassettes. If you aren't 100% satisfied with the cassettes or the deck, simply return only 9 of the 10 cassettes and the deck in its original box within 30 days for a courteous refund. The 10th cassette is a gift for your time.

To order your 10 Gold Label DAK MLX 90 minute cassettes and get the Dual Deck for \$129 risk free with your credit card, call toll free, or send your check for \$24.90 for the 10 cassettes, \$129 for Sharp's dual deck and \$6 for postage and handling. Order No. 4327.

We may not get rich selling you this deck, but as long as you love music in your home, car, or when you're on the move, our conspiracy will go on and on.



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8200 Remmet Ave., Canoga Park, CA 91304

Whinston Audio Labs
Not for Resale



Name Dropper Stopper

Now, all you need is the name of the person you want to call, and their number will be dialed automatically in True Tone with on-hook dialing at home, or when you're out, through the mouthpiece of any phone.

By Drew Kaplan

It's a dialer. It fits in your shirt pocket. Just hold it up to any phone and it will automatically dial any of 120 of your important phone numbers in True Tone.

But look at this. When you are at home or at the office, just set it on its included base. It becomes a sophisticated desk top dialer that lets you monitor your call's progress through its built-in speaker, before you pick up your phone.

NAME RECOGNITION

If you're like me, you hate remembering phone numbers. And frankly, I hate dialing and redialing them even more. The problem with previous dialers was that instead of remembering someone's phone number, you had to remember the dialer code you had assigned them.

For example, DAK was No. 27 in my dialer. Well, no more! Now there's nothing to remember but the person's name.

AND, OH HOW EASY IT IS

You can store up to 120 names and numbers in this 2½" X 3¾" dialer.

If you want to call 'Home', just press 'H'. 'Home', followed by the number will pop up on the dialer's oversized LCD display. If you have other names stored under 'H', there's no problem.

You can either simply push 'H' and scroll through the names beginning with 'H' until you reach the one you want, or type 'HO' which in this example will exclude names that don't begin with 'HO'.

Of course, you can type in Home, or any full name up to 7 letters. So, don't try to remember Mike's number, just his name. Don't try to remember your phone credit card number, just 'credit'.



Once you've selected a name, just press 'Dial' and off to work it goes. It's incredibly easy with this new dialer.

And don't worry about the dialer forgetting, because it comes with 3 year

batteries in place that can be changed without losing the memory.

Adding and deleting numbers is a breeze. Just enter any name up to 7 letters long and then any number up to 14 digits. The dialer will automatically alphabetize your entry. Read on to see how easy it is to add Sprint and MCI codes.



DO YOU TRAVEL?

I wouldn't wish what happened to us in Los Angeles to my worst enemy. They split the city's area code in half. Now my home is in 818 and half my business and friends are in the 213 area code.

What's really bad is that I work at home, I work at DAK and I travel around the city. Plus, I also go to Chicago about every 6 weeks to print catalogs.

Well, this dialer was planned for people who travel. Once you put in a name, you are always prepared.

Here's how I put in DAK's number: DAK, 1-818-C-888-8220. Whenever I'm in town, I just let the dialer dial DAK. But if I'm in the 213 area code or in Chicago, I press 'CODE' before I dial and the area code is added with no muss, no fuss.

Using MCI and Sprint is easy. Their numbers are kept in any of 18 special coupled locations. So, you can have up to 18 different local access numbers and codes 'prefix' any of the 120 names in your dialer. Wow, can you travel!

THE BEST PART

Just imagine. The same dialer that fits in your shirt pocket drops into a stand and becomes a wired-in desk dialer.

You won't have to have one phone book or dialer at home, one for your briefcase and one for your office.

Now, this one dialer with its included base does it all. The base comes com-

plete with a standard modular phone cord that plugs into the wall, and there's a jack on its back to plug in your phone. Plus, extra bases are available.

You can use the dialer to dial manually if you don't have a tone phone (most lines are tone). You can program in pauses and wait signals for special services.

There's automatic redial. And, there's a security code system that lets you protect your secret numbers. You'll also find a full featured calculator, a clock and a calendar built into this remarkable device. It's made by Selectronics, one of the pioneers in dialers. It's backed by their limited warranty.



Here's a phone's eye view of the dialer. It speaks True Tone to the Phone Company through your phone's mouthpiece when you're out. You can use it to dial manually. Or, you can automatically dial 120 of your most important phone numbers by simply selecting the name of the person you wish to call.

TRY NUMBER FREE DIALING RISK FREE

Try it at a phone booth. Try it at someone else's office. Then come home and drop it into its base. It's the only dialer you'll ever need.

If you aren't 100% satisfied, simply return the dialer in its original box within 30 days to DAK for a courteous refund.

To order your Selectronics Tone Dialer that dials from Names rather than numbers, with a Home Use Base complete with speaker for monitoring call progress, risk free with your credit card, call toll free, or send your check for just \$79.95 plus \$3 P&H. Order No. 4220. Extra Bases are just \$19.95 plus \$1.50 P&H. Order No. 4221. CA res add tax.

Forget phone drudgery. Just one dialer does it all. Now your dialer, not just your phone book, goes where you go.



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Two-Line Brainstorm

Whether you're brainstorming with two associates on a conference call or brainstorming with your whole family using the hands free speakerphone, when you use this phone's quick touch memory dialing, your brain will be free for thinking, not remembering numbers.

It's smart. It's tough. And it's fast. It feels like a Phone Company Phone. It acts like a sophisticated computer. And, it sounds like a piece of HiFi equipment.

Across the street or across the country, with standard phone lines or discount services, this phone will let you make great use of your two phone lines.

And best of all, there are no monthly rental charges. And, it simply plugs into your existing modular phone jack(s).

So, if you have two separate phones or an expensive two-line Phone Company Phone, just unplug the modular plugs from your existing phone(s), plug in The Brainstorm and start talking.

TWO LINES, ONE BRAIN

Two brains may be better than one, but one brain on two lines is even better. Imagine touching the quick touch buttons at the top of this phone and dialing in either tone or pulse on either line.

Just press the Line 1 or Line 2 button and your choice of lines is selected. LEDs display which line you are using, which line is ringing and if the speakerphone is activated.

And there's 'Hold', so you can put someone on Hold, hang up this phone and continue your conversation from any other phone in your home or office.

And, when you put this phone on Hold, it's red 'In Use' LED changes to green. **Look what you can do.** While you are talking on one line, you might want to add a third person to your conversation.

You can put whichever line you are using on 'Hold', and use the other line to call out or answer a call. Then just push both Line 1 and Line 2 buttons to join both calls.

It's easy. And, group conversations can be productive for work. Plus, they are loads of fun with friends and family.

MENTAL WIZ

Just touch the 'memo' button and the button next to the name you want to dial. You don't have to remember what memory location you assigned to Aunt Esther. Just touch the button next to her name.

You can store 20 phone numbers that can be automatically dialed on either line. Each number may be 16 digits long. If you make credit card calls or Sprint or MCI calls, just keep a memory location for your codes.

Discount services are great, but who needs to remember complicated numbers. And if you make a mistake dialing, it's very frustrating to have to begin again.

And if you live in a pulse area, you can dial your access number in pulse and then switch to tone for your codes.

And speaking of frustration, once you install a 9V battery (not included), you won't have to worry about this phone forgetting your numbers.

In addition to the 20 direct dial memory locations, you'll also have Last Number Redial, Pause for getting through switchboards or waiting for computers, and Flash for Phone Company Services.

AT THE BOTTOM OF A WELL?

Imagine walking around the room or sitting at your desk with your hands totally



free while you talk on the phone.

And, with this speakerphone, anyone else in the room can join in too. You'll be heard loud and clear whether you are nearby or across the room.

It uses a new lightning fast auto-simplex (half-duplex) design. You won't get the hollow sound that makes you sound like you're talking from the bottom of a well. And, you won't get feedback because the mike overrides the speaker.

You won't even notice it. All you and the person to whom you are talking will hear, is clear, echo free conversation.

NUTS AND BOLTS

The real claim to fame of this phone is its marriage of Phone Company fit and feel with super convenience features.

And, just look at the extra features you'll have. There are separate sounding ringers, one for each line. Line 1 has a conventional mechanical bell ringer. And, Line 2 has an electronic ring. Plus, there is a ringer off switch.

EASY INSTALLATION

Some homes and offices have 2 separate jacks and 2 separate phones. Some have a single jack leading to an expensive but dumb Phone Company Phone.

Both types of cables and jacks are included with this phone. In fact, there's even a short cable because this phone can be wall mounted.

It's made by Universal Security Instru-

2-LINE PRICE WAR



ments, a company noted for their expertise in phones and their reliability in burglar alarms. It's backed by a unique 2 year limited warranty. Wow, let the Phone Company match that.

GET YOUR OWN BRAINSTORM RISK FREE

Wait till you hear the sound. Wait till you feel the handset against your ear or cradled on your shoulder. Talk on the speakerphone. Then make a conference call and really put your two lines to work.

If you're not 100% satisfied, simply return it in its original box within 30 days for a courteous refund.

To order your Universal 2-Line Speakerphone with 20 Quick Touch Memories, Hold and much more risk free with your credit card, call toll free or send your check for DAK's Brainstorm price of just \$59 plus \$4.50 for P&H. Order No. 4333.

Dial a number on either line by just touching two buttons. Dial without ever lifting the receiver. Talk while you move around the room. And, wait till you try your first conference.



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Not for Resale

Remote Shock Wave

Unleash 200 watts, 100 watts per channel, of incredibly pure musical power with the touch of a remote button. CPU logic control lets you have total remote control of the entire system, from the linear tracking turntable to the auto reverse cassette deck with Dolby C. And, it's all yours for \$649! Wow!

Take control. You're in the cockpit. You've got enormous power at your command. Just a slight touch of the controls will literally cause your system to explode into a kaleidoscopic panorama of musical perfection.

And, as this massive explosion of sonic splendor unfolds right in your own living room, you'll have over 110 individual controls to shape and select your musical pleasures.

In fact, to demonstrate the depth of DAK's \$649 blockbuster price, each control works out, costing you less than \$5.90. So, it's up to you if you think Dolby C is worth \$5.90. Or, how about a continuous auto reverse button?

There's repeat play on the linear tracking turntable and a hydraulic cueing control. You may not need all 8 preset stations on the FM digital synthesized tuner, but since the same buttons also give you 8 presets on AM, they each really cost half the \$5.90.

You'll also be paying for the buttons on the remote. But think of the convenience you'll enjoy when you can stop, start, record and pause your tape deck from across the room.

Plus, you'll have remote index scan, which lets you hear just the first 10 seconds of each song on a tape. Even Record Mute is controlled from the remote.

Virtually every function can be performed from the remote. You can start, stop or cue a record. You can access all 16 preset tuner memories, and of course you'll control volume, mute and switching between the components.

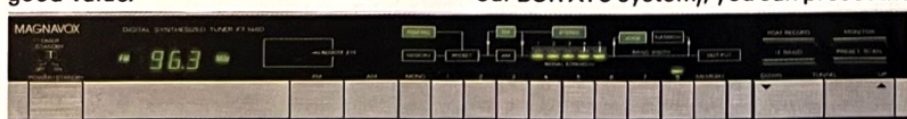
Just think. You'll sit back in your favorite easy chair and stop and start the tape deck as you copy records or record from FM. Wow, you'll be able to edit out commercials as they occur.

But don't let the 'gimmicks' of remote control entice you. This system with 110 RMS watts per channel, from 20hz to 20,000hz with 0.05% THD, would be a steal if you had to wind it up to make it work.

IT'S THE SOUND

From the 3-way 12" speaker systems to the beautiful rack cabinet, this system is top of the line. It's not just a conglomeration of gimmicks and a ton of power. Each component can, and is about to, stand on its own merits.

When you hear the awesome power combined with the fine detail that these fine individual components produce, you will understand why Magnavox's suggested retail price of \$999 was such a good value.



DIGITAL SYNTHESIZED TUNER

If you tape, or if you're really into FM, this incredibly stable AM and FM stereo tuner is for you.

The frequency response is from 30hz to 15,000hz, which isn't a lot better than



other fine tuners until you look at truth in packaging. Magnavox's is not plus or minus 3 to 5 db like many others. Magnavox's is +0.5db -1.5db. And, the tuner's response doesn't stop at 15,000hz.

The signal to noise is an incredible 78db and THD is only 0.08%. The stereo separation at 1000hz is 55db.

The Magnavox FM tuner is actually two tuners in one. You see, FM stations are often very close together on the dial.

Most manufacturers must make their selectivity at the IF stage quite narrow. The problem with narrow IF stages is that distortion is increased.

Magnavox uses two separate IF tuner bands. Wide for when there is no adjacent station interference, and narrow where stations are close together. So, you get the best sound from all stations.

There are 8 FM presets and 8 AM presets that you can access with one touch ease. And, there's built-in backup so that you don't lose the memory during power failures.

You can step tune up and down the dial, or you can scan through your preset stations. And, there's program record.

With the use of an optional timer (like our BSR X10 system), you can preset the

while you're at work.

LEDs show all the functions, from signal strength to memory operation. A large fluorescent frequency display lets you see the station you are on, even from across the room, which is really important when you're using the remote.

AUTO REVERSE CASSETTE

This is a full logic auto reverse cassette deck. It does everything. It has search which selects just the song you want.

If you want to hear the third song on the tape, just push the search button 3 times. If you aren't sure where the song you want to hear is, just push index scan.

The deck will automatically play 10 seconds of the first song on the tape and then fast forward to the 2nd. It will play 10 seconds and then go on until you reach the song you want.

Of course, you can have the deck play only the one song, only one side, or continuously play both sides of the cassette over and over again, forever. There's a reverse button that lets you reverse the direction of the deck at any time.

When you want to record, you'll have record mute which automatically records 4 seconds of silence on your tape for professional intros and exits.

You'll have Dolby B to play your older tapes and Dolby C to record really hiss-free tapes from now on. The deck records in one direction and plays in both. All of its movement controls, including record, pause and record mute, are duplicated on the remote.

There are selection buttons for normal, CrO², and metal tape. And, the peak reading LED meters and linear record level controls, let you accurately set levels

tuner and the tape deck to come on and record up to 6 totally separate stations at 6 totally separate times.

So, you won't miss late night broadcasts of your favorite music. And, you won't miss broadcasts during the day



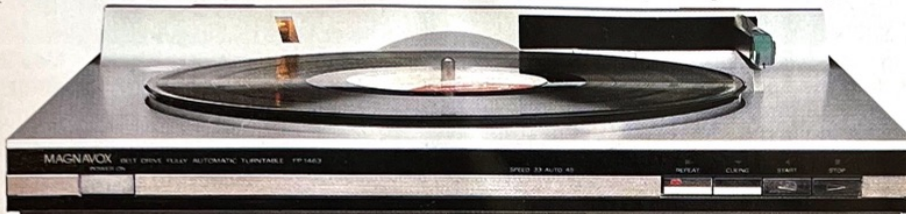
for really great sounding recordings.

You'll enjoy a wide frequency response from 40 to 15,000hz and with Dolby C, really quiet recordings.

LINEAR TRACKING TURNTABLE

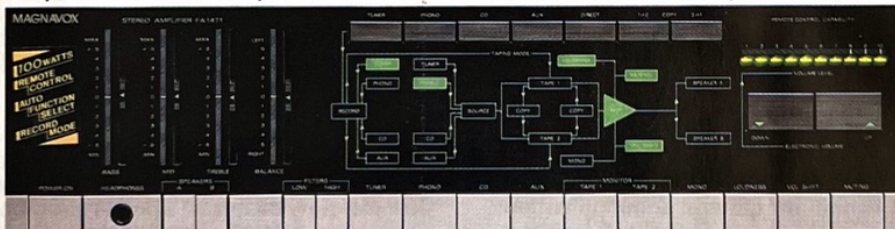
This fully automatic turntable will reproduce music beautifully. From its die-cast aluminum turntable platter to its linear tracking tone arm for error free tracking, the sound and action is superb.

It features automatic lead-in, automatic shut off, automatic repeat and automatic muting. It automatically selects speed and record size. You can manually search for a track from the turntable itself, or perform any of the above functions from the remote control.



It has a top quality moving magnet P-mount cartridge, hydraulic cueing to protect your records, and a servo controlled belt drive motor for superb stability.

You'll particularly enjoy recording from this automatic turntable because of its stability, wide frequency response and easy remote control operation.



INTEGRATED AMPLIFIER

It's the brains and brawn of the system. From its 100 RMS watts per channel output, to its 10hz to 40,000hz ± 1 db frequency response, to its 93db signal to noise ratio, it's strictly audiophile.

And what control you'll have. The Loudness contour button which you'll use for low level listening, boosts the signal at 100hz by 8db and at 10,000hz by 4db.

There are both high and low filters, and not only are there linear bass and treble controls, there's a presence control to really bring your sound alive.

There are totally separate input and output controls for all controlled inputs, so that you may listen to a record while you tape from FM. And, if you add another cassette deck, you'll be able to use the two way switchable tape dubbing.

On the back panel is an audiophile feature you will appreciate if you're into bi-amping or adding sound processing devices. There are both 'preamp out' and 'main amp in' RCA jacks, something that's usually found on esoteric gear.

There are buttons which will allow

you to connect two speaker systems (one is included of course), and here's a feature you'll really appreciate.

This integrated amp has volume memory. When you turn it on, it will resume the last volume level that you set. Plus, there's a mute button to allow you to have instant silence for phone calls and other obnoxious interruptions.

12" 3-WAY PERFECTION

These 3-way speaker systems have a wide smooth frequency response from 36hz to 20,000hz. The crossover points are at 1500hz and 6,000hz.

The 12" woofer really produces superb, clean tight bass which is augmented by an acoustically designed bass port. So,

the sound will be both rich and full.

The mid-range is reproduced by a 5" driver, that in conjunction with the presence control on the amplifier, produces pure yet dramatic lifelike sound.

A 3" super tweeter give you a vibrant clean high end. The speakers are rated for 100 watts and are a perfect match for

this top of the line system.

MARVELOUS REMOTE CONTROL

It does it all. Not just volume. Not just preset stations. Look at all it does.

On the tuner, you can select AM or FM. You can tune AM and FM stations with up or down step tuning. Or, you can select any of the 16 presets.

On the Amp, you can control the volume, mute and switch in the Loudness Contour button. You can select Tuner, Phono, Tape or 2 additional Aux inputs.

On the auto reverse tape deck, you'll change directions and control all the movement commands. You'll Stop, Start, Fast Forward, Rewind, Pause, Record and use Record Mute.

And, you'll have full use of both the Index Scan and Search functions described with the deck.

With the turntable you can Play, Cut, Cue/Pause or cause the turntable to enter its repeat mode. You can even move from track to track on the record.

And finally, you can turn the entire system on or off. This infrared remote centralizes all functions of the system

for really easy system control, near the system or across the room.

WRAP IT ALL UP

Individually or as a system, these components are top quality. When you put them in the beautiful simulated walnut-grain rack with tempered glass door and glass top, it will be an eye catching addition to any room.

The rack is 18½" wide, 39¾" tall and 16" deep. The matching 12" 3-way speakers are 15" wide, 26¾" high and 13" deep. The system is made by Magnavox, a trusted name for years. It's backed by their standard limited warranty.

REMOTE SHOCK WAVE RISK FREE

Wait till you hear the sound. Wait till you get your hands on the solid, superbly crafted controls. And wait till you try the remote. It's a thrilling experience.

If you're not 100% satisfied, simply return the system in its original boxes to DAK within 30 days for a refund.

To order your Magnavox 100 watt per channel Stereo System with Linear Tracking Turntable, Auto Reverse Cassette Deck, Synthesized AM/FM Stereo Tuner, 12" 3-Way speaker systems and beautiful Rack risk free with your credit card, call toll free or send DAK's blockbuster price of just \$649 (\$55 P&H) Order No. 4270. CA res add sales tax. We must ship by truck to a street address only, no P.O. Boxes please.

The sound that this system will produce in your home will be thrilling. And, speaking of being thrilled, wait till you feel the controls and watch this system explode into action when you touch a button on its remote control.



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Hey Martha Phone

Banish yelling and wasted steps forever. Here's an installation-free speakerphone with a 3 channel wireless intercom that lets you communicate and even patch through calls to \$19 intercom station(s).

By Drew Kaplan

Don't yell for your spouse. Don't call for your secretary. And definitely, don't get up to go find them.

Now, this new sophisticated hands free speakerphone with 10 memory dialing, Tone/Pulse switching and Call Patch-Through can do it all.

If you're like me, every time you pick up the phone at home, the call is for your wife or kids. And if they pick up the phone, it's invariably for you.

Well I'm through yelling. Whether I'm in the den, bedroom or kitchen, now I just put the call on hold, push the transmit button and say, "Honey, it's for you".

At the office we have an expensive telephone system complete with intercom. My secretary's extension is 130. Now, instead of lifting the receiver, putting it to my ear and dialing her number, I touch a button and we talk hands free.

But best of all, there's no installation. I plugged my new speakerphone into an AC outlet, and the same modular jack as my phone. Then I plugged my phone into this speakerphone and started talking.

The intercom has 3 separate channels, so I'm not the only one at DAK who's able to use this new system.

NOT MY FIRST INTERCOM

When our sons were young, we put intercoms in their rooms so we could hear them at night. It really gave us peace of mind, especially when one was ill.

I also had an intercom in the garage so that my wife didn't have to run out to find me whenever I received a call or she had something to tell me.

By using this marvel of communications, she can patch a phone call through to me in the garage, even though there isn't a phone jack anywhere in sight.

REVOLUTIONARY COMMUNICATION

It's the technological marriage of an FM wireless intercom and a sophisticated state-of-the-art speakerphone.

But it's much more of an achievement than simply putting two things together. The speakerphone and the intercom actually interact with one another. Read on to see just what this can do for you.



THE SPEAKERPHONE

Imagine the freedom of talking, hands free. There's no barrel-like, hollow sound at all, and in my tests, nobody I've talked with has realized I've been on a speakerphone, which is a very impressive claim.

Once the phone is on, your voice activates the electronics. The phone uses



PRICE SLASHED
Great for office or home, was \$69
NOW JUST \$49

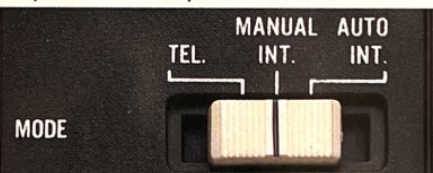
Use Order Number 4226 plus (\$3.50 P&H)

lighting-fast simplex, with the mike overriding the speaker for superb sound.

The phone has 10 memory dialing including last number redial. It is Tone/Pulse switchable so you can use discount services. There is a 'Hold' button, but because of its interaction with the intercom, you must push it to release the line.

THE WIRELESS INTERCOM

This wireless FM, hands free intercom will let you talk between just about any locations in your home or office.



There are 3 separate channels. So, in an office each executive may have a channel. And at home, you can monitor two separate rooms, and still have a free channel for general communications.

On the speakerphone/intercom you have your choice of two methods of talking. You can use 'Auto Intercom' which is voice operated and works hands free, just like the speakerphone.

Or, you can use 'Manual Intercom'. Just push the 'Talk Button' when you want to talk. There's 'Talk Lock' which keeps the intercom in transmit, for monitoring your children or any area.

Look what you get for only \$19. Whenever you don't have a telephone jack, like the garage, laundry room or basement, all you need is the 3 channel intercom.

So we have the companion intercom, without the speakerphone and voice operated function for just \$19 each.

You can originate or answer any intercom function just like the speakerphone/intercom. There's a 'Call Button', 'Talk' and 'Talk Lock' Buttons and Volume.

Note: \$19 units can talk together or with speakerphones. It makes no difference how many speakerphones or \$19 intercoms are in your system.

WEDDING BELLS

Yelling will be a thing of the past. Just put your speakerphone into 'Auto Inter-

com' and switch on the telephone. You'll allow anyone in your home with an intercom to join in on the phone.

Just think, anywhere you have an AC plug, you can Patch-Through a telephone call. You can be added to a call even if you're in the garage or in the basement. So, not only do you banish yelling, you add telephone access to every intercom.

Only the speakerphone/intercoms can actually originate and answer calls, but every intercom can join in.

Both the speakerphone/intercom and the \$19 intercom can be either desk or wall mounted. They are both handsome looking additions to any room with their HiTec black and wood-grain styling.

They're made by Maxon, a leader in telecommunications, and backed by Maxon's standard limited warranty.

TOTAL COMMUNICATION RISK FREE

Wait till you hear the clarity of both the speakerphone and intercom sound. Think of how easy it will be at your office or in your home to have a hands free intercom. And, forget yelling forever.

If you're not 100% satisfied, simply return them in their original boxes within 30 days for a courteous refund.

To order your Maxon Speakerphone/Intercom with 10 Number Memory, 3 Channel Intercom and Call Patch-Through risk free with your credit card, call toll free or send DAK's low introductory price of just ~~\$69.95~~ plus \$3.50 for P&H. Order No. 4226. CA res add tax.

The Intercom Only Unit is just \$19 plus \$2 for P&H. Order No. 4227.

Note: Any combination of at least two Speakerphone/intercoms and/or \$19 intercoms may be used.

You won't have to yell, "Hey Martha" any more. Now, phone calls and talking can be just the push of a button away.



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\$39 PRICE BREAKTHROUGH

Pollution Shield

Here's the story about a new weapon that can place a protective pollution resistant shield around you.

Fans with charcoal or furnace type filters may remove some large particles like cigarette butts and large ashes from the air, but they're just about useless for anything under 5 microns.

Over 90% of air pollution particles are smaller than 5 microns. So, there just isn't any other reasonable defense for you other than a negative ion generator. And, we think you'll agree that AirEase™ is the best.

AirEase™ is just about the only air cleaning system which can remove and collect tobacco smoke, dust, pollen and even bacteria from the air.

AirEase™ constantly cleans all of the air throughout the shielded area. In contrast, fan driven filter type machines can only clean the air that they actually draw through themselves.

Consider all the types of pollution from automobile exhaust. Then add oil smoke, carbon, insecticide dust, and virtually anything you can think of that you don't like in your air. Then you'll be thinking of the pollution shield.

THERE'S MORE

Actually, the negative ion manufacturers didn't think of this great way to clean the air. God did. If you've ever smelled the sweet country air just after a thunderstorm, you know the invigorating feeling that comes over you.

AirEase™ does for a 12 by 20 foot area, what Nature does for the entire countryside. It seems that positive ions are associated with pollution and negative ions with good fresh natural air.

There are lots of claims that a negative air ionizer will let you think more clearly, sleep better and feel happier. There's no way to prove or disprove the claims. But, it is safe to say that if all these things come from cleaner pollution free air, it just may be possible.

THE BASIC DIFFERENCE

AirEase™ is different. There are lots of negative air ionizers. And don't sell them short. Most of them do work. But, they aren't complete.

AirEase™ not only emits negative ions, but its base is really a positive collector.

Once the negative ions go out and attach themselves to a particle of pollution, instead of just falling to the floor they are collected on the collector base.

A removable washable filter trap comes with AirEase™. It holds the collected pollutants. You just rinse the filter when it gets dirty. And wait till you see just what AirEase™ removes from the air before it gets into your lungs.

So AirEase™, because of its new dual element technology is a step ahead of the pack, and you'll be breathing cleaner fresher air, only seconds after you plug it in. AirEase™ is made by ISI, the same company that made the \$98 Orbit air ionizer we sold last year. The really amazing fact is that this new \$39 air ionizer has the exact same power and electronics as did the \$98 Orbit. Both AirEase™ and Orbit are backed by the same standard limited warranty by ISI.

TRY AIREASE™ RISK FREE

Plug in AirEase™. Make the smoke test I described earlier. Let it attack the pollution (especially other people's cigarette smoke) in your home or office.

If you don't think you're breathing cleaner fresher air, simply return AirEase™ to DAK within 30 days in its original box for a courteous refund.

To order your new AirEase™ dual element negative ion generator clean air system with your credit card, call the DAK toll free hotline, or send your check not for the \$98 cost of the old Orbit, but for just \$39 (\$3.50 P&H) Or. No. 9839.

I can't guarantee that this device will help you sleep, solve crime, or improve your sex life. But, it will give you cleaner air to breathe, and that's priceless.



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8200 Remmet Ave., Canoga Park, CA 91304



It's a war. It's you against pollution. And, your home is the battlefield. With smoke, smog, and car exhaust just literally oozing into your home, it's time to fight back.

You can't count on the government. And, you can't count on the car makers for help. It's time to arm yourself, and here's the weapon and the ammunition.

ARMED FORCES

The weapon is the new dual action AirEase™ Air Ionizer. It has an edge over all the rest. Not only does it generate (shoot) negative ions, but it then also collects the debris (enemies) with a second element in its base.

The ammunition is the billions of negative ions that emit from this lethal weapon and quite literally form a defensive shield to stop smoke, smog and other pollution from getting in.

The attack force of negative ions (negatively charged atoms) attach themselves in a magnet-like fashion to pollutants in the air which in turn cause the pollutants to be attracted to the nearest positive surface.

At the outside of the shielded area, they tend to fall to the floor. Closer in they are actually reattracted to the special base collector of AirEase™. And, I'll tell you more about that later.

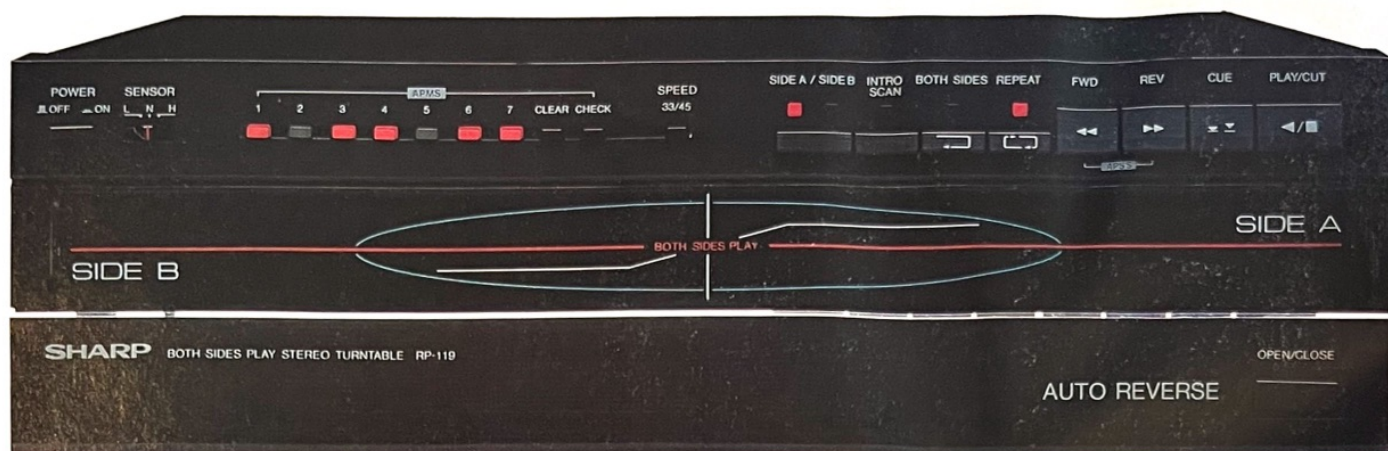
RED ALERT

Does it work? You can bet your life on it. Here's a test you can make yourself.

Place a standard clear kitchen bowl over the ionizer. Puff some cigarette smoke into the bowl. Then plug in AirEase™. Before you can say "AirEase™ Kill!", the smoke will be totally gone. It's an easy test, and it's sure to make you a believer. It sure convinced us at DAK.

CIGARETTE BUTTS & BOULDERS

Not for Resale



Automatic Audiophile Plus

Here's Sharp's top of the line, Linear Tracking, totally automated turntable. It plays both sides, repeats and seeks out your songs. Plus, it plays them in any order you desire. And, it's at our close-out price, plus just \$10.

By Drew Kaplan

It was a disaster. Last year DAK closed out Sharp's Linear Tracking Vertical turntable under their Optonica name for just \$173.50 each. We had just 1200, but we received orders for thousands.

Sharp's new Linear Tracking turntable has all the capabilities of the original. Plus, it can play up to 14 selected cuts from both sides of your records automatically in any order you desire. Wow, how great for making recordings!

My wife had me make a cassette for her car with two songs which she really liked, repeated over and over again.

I've always recorded cassettes with just the songs I want. But now I can easily record them in the order I want.

DAK has made a special massive cash purchase that enables us to offer this all new turntable for just \$10 more than our close-out price for the previous unit.

GREAT SOUND PLUS

Before we explore the 20-20,000hz audiophile sound produced by its twin linear tracking tone arms complete with moving magnet cartridges, let's look at what the micro computer technology of this turntable can do for your music.

But, don't forget that linear tracking arms mean precise lateral balance and accurate tracking, from the outside of the record all the way to the center groove for dramatically clean distortion free sound. **PLAY BOTH SIDES AUTOMATICALLY**

Now you can play Side A, Side B, both sides or up to 14 selected cuts over and over again. Now you can have an evening of nonstop music from a single record.

And as I said above, think about the wonderful cassettes you'll record with just the songs you want, in just the order you choose.

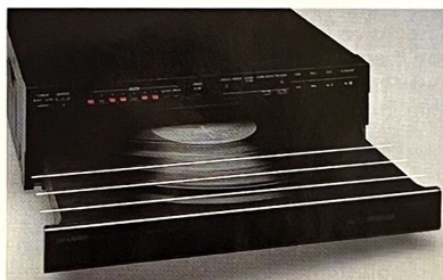
I really appreciate this feature because there's almost always a song or two on a record that I don't like. When I'm listening to cassettes in my car, I always end up fast forwarding through the unwanted songs and missing the songs I like.

With this turntable I record just what I want without having to hover over the record (I don't have much free time) while I record my cassette. But with all the fancy programming, let's not forget the sound.

This Linear Tracking Turntable has

two tone arms and two moving magnet cartridges. So, there's a separate linear perfectly balanced arm and a separate cartridge for each side of your record.

The main drive is a superb FG electronically controlled DC motor for stability. There are two additional motors. One for the tone arms of this automatic turntable, and another that automatically glides the turntable drawer in and out when you touch the loading button.



TOTAL CONTROL

Push the play button and choose side A or B, and an arm moves out to the record. An infrared computer tracking sensor locates the first groove, and the stylus will be gently lowered to your record.

There's more. In addition to the automatic track selection, Sharp's top of the line Linear Tracking Turntable has APSS.

APSS is a computerized track selection system that lets you move one track at a time forward or backward at the touch of a button. It uses an infrared sensing system to let you locate specific songs on both sides of your records.

You can move forward to skip songs you don't want to hear. Or, you can move back to play songs again. You can even replay the song you are listening to with the touch of a button.

If you don't like the current song, push Forward APSS and you'll skip forward as many songs as you like.

Now you're in full control. And you (or less careful individuals in your family who don't cherish your records as you do) will never scratch a record, because the on-board computer controls all the actual arm movements.

APSS gives you the same control manually that you'd get if you preprogrammed the tracks you desired.

What if you don't know the name of the song you want? The Automatic Audiophile has intro-scan which will automatically play the first 12 seconds of each song on the record, one after the other, until you locate the song you want or have reviewed both sides of the record.

MUCH MORE

Push one button and the turntable will switch from side A to B, or from B to A. Push the Load Button, and the arm will lift from the record, return to its home position and the turntable will glide out.

You can play both 33 1/3 LPs and 45s. And, you can play 7", 10" and 12" records. In addition to all the automated features, there's a cue/pause control as well.

The turntable is striking. The LED display shows both the tracks that are programmed to play as well as which track and which side is currently being played.

It's about the size of a cassette deck and fits perfectly into any component location. It is 13" wide, 13 1/2" deep and 4 1/2" tall. It's backed by Sharp's standard one year limited warranty.

TRY AUTOMATIC AUDIOPHILE PLUS RISK FREE

Wait till you hear the sound. Wait till you try its computer. Wait till you have uninterrupted music. And wait till you see this turntable in your system.

If you're not 100% delighted, simply return it in its original box within 30 days for a courteous refund.

To order your top of the line Sharp Linear Tracking, Computer Controlled, Both Sides Playing, Programmable Turntable risk free with your credit card, call toll free or send your check for just \$10 more than our close-out price. Send just **\$183.50 (\$7 P&H)** Order Number 4309.

Your records will love the linear tracking arms, your ears will love the pure sound, you'll love the convenient computer controls and your eyes will love the Hi-Tec appearance.



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Not for Resale



Tape Deck Octopus & Son

Now you can electronically talk to, mix, match, choose and even measure your tape decks. Of course, if you're not a total HiFi nut, you can simply switch between your decks.

By Drew Kaplan

OK, all you recording nuts... Now you can record on, set levels for, and record between 4 tape decks at once, and more. And, you'll have a father or son choice.

THE FATHER

It's true. If you are already a DAK customer, you own an average of 2.3 tape decks. (Outside of a statistics class, that's 2 or 3 decks each.)

Anyway, as president of DAK, you'd expect me to own more tape decks than average. Well, you'd be right. I own 11, not including portables. And, 4 of them are in my studio where I write these ads.

In order to make tapes, test tapes and make copies of tapes, I've done a lot of cable switching, but **NO MORE**.

I've been trying to get someone to make a tape deck selector that would let me and all you other tape nuts switch between recorders, dub tapes to several decks at once, or simply not have to recable any time we want to make a copy.

Plus, I need to set standard input and output levels for my decks. And, that doesn't even count figuring out how to get an equalizer to my decks so that I can have great sounding cassettes in my car and in my portables.

ENTER HARRY

Harry is the president of Numark, the studio disco company. He makes mixers, equalizers and all sorts of similar professional equipment.

So, Harry made just for me, (of course knowing Harry he'll sell it to all the studios too) a black box that does everything I wanted and more.

HERE'S WHAT IT DOES

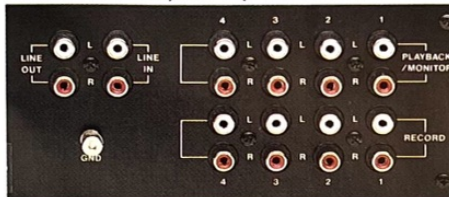
Look to the left in the picture above. Each of the orange buttons controls the output of one of 4 tape decks. If you push in a button, that deck will be 'on-line'.

Then a linear volume control above each button sets the line level. You can push 1, 2, 3 or all 4, and even mix them.

Now look under the meters. The first 4 numbered buttons control the signal going to the recorders. Push 1-4 depending on how many tapes you want to make. For example, if you push 2 on the playback monitor, and 1, 3 and 4 on the record input, you'll make 3 copies.

Push all 4 record buttons and the right hand 'line' button, and you can make 4

copies of whatever you have coming from your stereo system. And it simply connects into your tape monitor circuit.



And 1 'Enhancer' can feed all your decks when you use its tape monitor circuit.

LET THE TRIALS BEGIN

The button marked 'FREQ' lets you select either a 400hz or an 8,000hz Test Tone to feed to the decks. The 400hz is perfect for setting balance and recording levels. It's also perfect for determining the relative output level between different brands of cassette tapes.

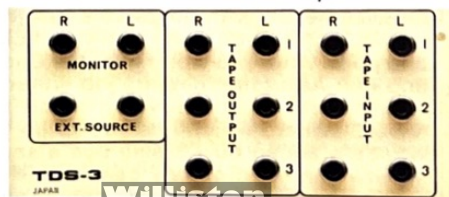
After you've tested 400hz, switch to 8,000hz. Now you can check the azimuth alignment of your cassette decks. And yes, you can test the high frequency responses of cassettes and your system.

8,000hz is higher than you may think. If you use a spectrum analyzer and microphone to test your system, you're already familiar with just how much this frequency area affects your perception of high end sound.

There's a level control for the test tone, and there are two ranges for the meters which show your choice of either program content or test tone.

Packed with the Octopus (Yes it has 8 legs if you figure 4 tape decks with 2 channels, L&R, each) are instructions and your various choices of how and where to add equalizers, tone generators, noise reduction units and other 'black boxes' that can dramatically improve your sound.

It's a neat device and it's backed by Numark's standard warranty.



OK, so what if you don't have 4 tape decks and 17 black boxes hooked into your system? Well, if you've got 2 or 3, and you'd like control of your system, or you're simply tired of switching cables, The Son Of Octopus is for you.

With this switching device, you can make up to 3 recordings at once from any source in your system, even using an 'Enhancement' device on all 3.

You can also dub tapes instantly. For example, you can play Deck 2, and make copies on Deck 1 and Deck 3. So, you can use any deck to play and any to record, just by flipping the switches.

But that's not all. You can mix two recordings into one. Just switch two decks into 'Dub' and one into record. It's backed by Vanco's limited warranty.

TRY A TAPE DECK OCTOPUS RISK FREE

If you've got 2 or more tape decks plus equalizers, noise reduction equipment and other enhancers, a **noise free, hum free** Octopus should be in your future.

I'm a diver. And, Octopuses (pi) are really very friendly creatures. Just wait till one of these wraps its 8 (or 6) arms around your system and see just how easy your recording life can be. If you're not 100% satisfied, simply return it within 30 days in its original box for a refund.

To adopt your Numark Studio Master, Stereo Tape Deck, Tone Calibrator/Mixer (what a mouth full) Father Octopus risk free with your credit card, call toll free or send your check for just \$99 plus \$4 P&H. Order No. 4322.

For Vanco's Stereo Deck Switcher, call toll free or send your check for just \$29 plus (\$2 P&H) Order No. 4323.

And finally, If you need 6 foot patch cords (I never seem to have enough), they're \$0.79 (\$0.50 P&H) Order 9111.

Short of the 24 channel mixing boards used in the studios, these remarkable switcher/mixers will let you use all your equipment to its full potential.



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Williston
Audio
SON OF OCTOPUS
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Bedside Companion II

Now you can enjoy stereo cassettes, FM stereo and AM in your bedroom, kitchen or office.

It's a common problem. You've got a stereo cassette collection you want to listen to, but you can't always be in the same room as your main stereo system.

Now you can have it all. You can have great sounding stereo cassettes and FM stereo with full stereo separation from twin matched full range speaker systems.

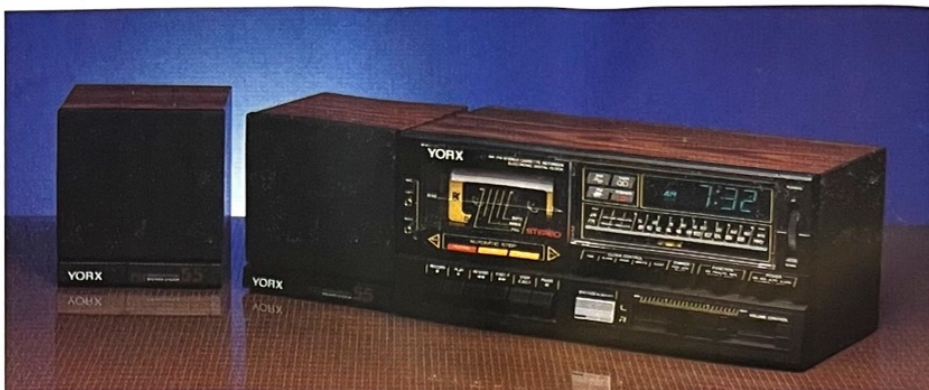
It's simply ideal for offices, studies, work areas, and yes, it will make the most elaborate 'clock radio' for your bedroom that you have ever imagined.

LOOK AT ALL YOU GET

The cassette recorder plays stereo cassettes or records from the AM and FM stereo tuners. You can even plug in your own mikes (not included).

And look at this. You can set the timer to have this recorder record from AM or FM so you won't miss important news conferences and special events.

Of course, you can awake to AM, FM, alarm or cassette, and you can also go to



sleep with your choice of entertainment.

You're in full control of the clock radio portion of this unit with Time and Alarm setting by hours and minutes rather than just fast and slow.

There's high/low dimming for the clock

display, a sleep button and a touch snooze sensor. You'll have a welcome addition to any room with the feature-laden clock radio and the rich sounding stereo.

And, the shades of walnut-grain and HiTec black add a distinctive look too. It's made and backed by a limited warranty from Yorx, the electronics experts.

TRY THE COMPANION II RISK FREE

Wait till you hear the sound. Wait till you feel the controls. If you aren't 100% satisfied, simply return it to DAK within 30 days in its original box for a refund.

To order your Yorx AM, FM Stereo, Cassette Clock Radio Music Center risk free with your credit card, call toll free or send your check for DAK's super price of just \$79.95 (\$6 P&H) Order No. 4264.

Why be tied down to one room to listen to your stereo? Enjoy beautiful music anywhere in your home or office.



Click And Pop Assassin

A click or pop on a record is just annoying. If you copy it onto a tape you'll be aggravated for years.



All records have them. Even when they're new. Those annoying clicks and pops are caused by scratches, dirt, static electricity and normal record wear.

Now from SAE, comes a way to remove or at least drastically reduce clicks and pops with no loss of musical quality.

Clicks and pops (called impulse noise) are different from music in that they have a rapid attack and decay time. In addition, they have a tendency to be out-of-phase, while the music is in-phase.

A logic circuit in the Click and Pop Assassin, monitors the musical program searching for the unique combination of conditions that indicate impulse noise.

When the computer brain of this system finds clicks or pops, it shuts down the music for a microsecond while a Music Restoration Circuit surrounds the impulse noise and replaces it with an extrapolation of the music around it.

The result is a significant reduction of impulse noise, with no sacrifice of the music. In short, you won't hear the clicks and pops. And, you won't hear the Click and Pop Assassin doing its job either.

This unit has a neat switch called an 'invert' switch, which lets you listen to what it's taking out. It also has a sensitivity control. So, you can hear the music, the clicks, or you can hear it all.

TRY IMPULSE NOISE REDUCTION RISK FREE

Try it in your system. It makes a phenomenal difference you'll especially appreciate when you're recording. It hooks into the tape loop in front of your deck.

You can use it when you're just listening to records too. If you're not 100% satisfied, simply return it within 30 days in its original box for a courteous refund.

To order your SAE Impulse Noise Reduction System risk free with your credit card, call toll free or send your check for only \$149 plus \$4 for post & handling. Or. No. 9748. CA res add 6% sales tax.

It really works. It doesn't remove things like tape hiss and the like, but it does seem to remove 80 to 90% of all the clicks and pops on my records.

PRICE SLASHED

List price was \$199

DAK sold it for \$149

NOW JUST \$129

Use Order No. 9748 plus (\$4 P&H)

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Fast Track Attack

Step back 5 years into the past. Step back to the heyday of the audio industry when massive power and super clean sound were the words of the day. Then step forward and add a spectrum analyzer and a 7 band graphic equalizer to sculpture your sound, and, check DAK's breakthrough price.

By Drew Kaplan

The excitement is back. After 5 years of boring 20 and 30 watt per channel non-dramatic sounding receivers, Hitachi is igniting your music.

Of course, with the avalanche of CDs being sold, Hitachi doesn't have much choice. High power and super fast slew rates are needed just to keep up.

So, Hitachi has attacked distortion and dynamic restriction at its source with this new, top of the line, receiver.

You see, a record can't have the dynamic violence of a CD because all sound produced by a record is a reaction to friction.

With CDs it's optical, so your sound can go from 0db to 90db at the speed of light. And, while CDs can even make an old tube amplifier sound terrific, wait till you hear them through this new receiver.

In fact, wait till you hear any source material open up and become free and vibrant with life.

But, before we explore the nuts and bolts of Hitachi's 140 watt (70 watts per channel from 20hz to 20,000hz with no more than 0.03% THD) amplifier, let's look at the special extras.

SCULPTURE YOUR SOUND

The most obvious addition to this receiver is the 7 band graphic equalizer.

With an equalizer, you can bring crashing cymbals to life or energize the sound of a string bass without destroying any of the musical content of the mid-range.

An equalizer can make any stereo sound incredibly better. And combined with the power of this receiver, your sound will be nothing short of awesome.

With the aid of this equalizer, you won't just hear a string bass, you'll feel it. It will become a living, breathing, resonant part of the music. There's so much life, you'll be amazed.

And, you'll thrill to the impact of a cymbal crash or the gentle nuance of brushes on a snare drum. With the clean power of this amp, and the ability to 'detonate' the high and low frequencies, you'll simply be thrilled by the music.

SEE WHAT YOU'VE DONE

This receiver has built-in test equipment in the form of a 7 band spectrum analyzer. You'll be able to see the musical instruments move across the analyzer's field of fluorescent elements.

A piano can literally be a wave moving across the analyzer's face. It's really exciting to see the frequency components

of instruments that make up your music.

But there's a problem. You'll want to use the spectrum analyzer to acoustically check and balance your system within your room. And to do it, you'll need a microphone and a pink noise generator which Hitachi didn't include.

But don't despair. You can test your system if you own a microphone. Just plug it into your tape deck. Tune the FM tuner to inter-station (white) noise, and push record. Then play back the cassette.

You can accurately test your system and use your equalizer to compensate for couches, hard floors and speaker placement. Just readjust the equalizer, rerecord, and play it back until your response is flat.

DUAL TAPE DECKS PLUS

There are two complete sets of input and output jacks for tape decks. So, you can make two tapes at once, or dub from deck 1 to deck 2.

And look at this. You can add the dramatic equalized impact to BOTH tape decks by switching in the equalizer.

Now you can produce high quality equalized tapes for bass starved portables and high-end starved car cassette decks. This receiver will enhance your sound wherever you choose to listen.

MORE CONTROLS

With this receiver you can operate 2 pairs of stereo speakers with power to spare. A subsonic filter kills frequencies below 16hz. So, you can really energize the bass down to 20hz without subsonic sounds overloading your woofers.

Both the electronic volume and balance controls are graphically depicted on the display as bars showing the percentage of volume. You also see the volume in db's and the total output wattage.

While all these fancy lights and buttons may only seem like window dressing (to make your friends think you're rich), actually the opposite is true.

The electronic controls accurately and quietly control your sound. And, they won't be subject to mechanical aging that causes clicks, pops and static.

QUARTZ-LOCK TUNING

It's Hitachi's new top of the line receiver, and as you'd expect, you're going to get great AM and FM stereo reception.

Tuning is controlled by an advanced quartz PLL (Phase Locked Loop) digital synthesizer tuning system. The system compensates for any change, assuring

you of a signal which is always crystal clear and stable.

Hitachi says, "Distortion has been reduced to negligible levels, the signal-to-noise ratio is first-class and stereo separation is sharp." And frankly, you can hear the sound they talk about.

Look at this super feature. The tuner has 20 totally random access presets. Preset 1 may be FM and Preset 2 may be AM and so on. So, there's no need to switch between tuners with your presets.

Synthesized tuners lock-in and are rock stable, which is really important if you tape a lot off FM as I do.

BUT IT'S THE POWER

Whether you have a CD or not, more power doesn't mean louder. It means cleaner uncontracted sound that is transparent and literally on fire with life.

With 70 watts per channel, your soft listening will gain depth and fullness. And, your loud levels will not suffer clipping and dynamic restriction.

CHECK THE SPECS

The frequency response of the amp stretches from 10hz to 40,000hz. It has a 90db signal to noise ratio. And you can alter the frequency response by ± 10 db at 63hz, 160hz, 400hz, 1,000hz, 2,500hz, 6,300hz and 16,000hz with the equalizer. It's 17" X 4 3/4" X 13 1/2". And, it's backed by Hitachi's standard limited warranty.

TRY FAST TRACK ATTACK RISK FREE

If you want to get the most out of CDs or any other source, you need plenty of power and headroom, a fast attack time and a super clean amplifier.

If you're not 100% satisfied, simply return it in its original box within 30 days for a courteous refund.

To order Hitachi's Top Of The Line 70 Watt Per Channel Receiver with 7 Band Equalizer and Spectrum Analyzer risk free with your credit card, call toll free, or send your check for only \$279. Wow! Plus \$11 P&H. Order No. 4332.

Yes, it has fancy lights. Yes, it has fancy buttons. But, wait till you experience the power and purity of your musical sound.

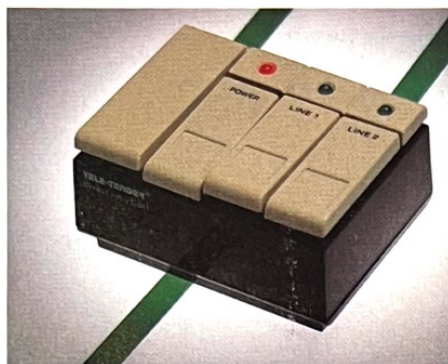


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Audio Lab
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Two-Line Director

It's frustrating. If you have two lines and you want to use an answering machine or a cordless phone, it's been a problem.

Now just plug Direct-A-Call into one 2-line jack, or two 1-line jacks. Then, plug its AC cord into the wall and your single line answering machine or cordless phone into this 2-line Director.

Incoming calls from either line will be directed to your answering machine or cordless phone automatically for just **\$49** (\$2.50 P&H). Order No. 4272.

Phone Magicians



Cordless Security

There's a long distance call to England. Old friends are catching up on the latest gossip. But, they're talking on your line.

If your cordless phone isn't security coded, it's possible for someone else's cordless phone to capture your line.

Now, Secur-A-Call encodes your cordless phone with a 2 digit code so nobody can call out without the code. Plug your phone into Secur-A-Call and Secur-A-Call into any modular jack (9V battery required) for just **\$19** (\$2 P&H). Order No. 4273.



Touch Hold

It's simple. If you have Tone phones, this device lets you put anyone on hold. Just touch the * button on any Tone phone in your home and you'll put the person your talking with on hold.

Then hang up the phone. You can pick up the same phone or any other phone on the same line and resume your conversation. It simply plugs into any modular jack. You'll never forget that a phone is off the hook when you change rooms for just **\$19** (\$2 P&H). Order No. 4274.



Instant Living Room

Enjoy the entertainment of your living room in your bedroom, kitchen, office or even your car. Enjoy a 5½" vibrant color TV plus an AM/FM radio wherever you are. And, forget Emerson's \$349 retail price. It's yours for just \$199.

The proverb is wrong. Now you can take it with you. Now you can have a vivid 5½" color TV plus AM and FM at work, at home or on the road.

Just think, with this super color TV system on your desk, you'll be able to see news events as they unfold during the day. And, you won't miss your favorite shows when you work late at the office.

With this TV, you can watch 'the big game' while you're outside on your patio. Or, keep up with the play by play while you work in your garage.

And, you can watch the late late show without bothering your mate when you put this new color TV on your nightstand and plug in the included earphone.

ANY WAY YOU WANT IT

Just plug in its AC plug (included) and you're ready to go. You can use its built-in antenna, or hook it to your roof antenna or even your cable, for great TV viewing anywhere in your home or office.

When you're on the road, just plug it

into your cigarette lighter receptacle with its mobil power cord (included). You can enjoy terrific color TV when you are camping or just parked in your car or camper.

If you're out in the yard, at the beach, or even at the top of a mountain, you can watch TV by using standard D cell batteries (not included). So, you'll enjoy the color picture you usually leave in your living room, wherever you are.

GO WHERE YOU WANT TO GO

Whether you're at the beach, the park, or in your bedroom, you'll have a superb 5½" oversized color TV. At your office, or in your car (not driving), you'll never miss a show or an event again.

This super new system is just 9¼" X 12" X 5½". It tunes in VHF 2-13, UHF 14-83, AM and FM. It's backed by Emerson's standard limited warranty.

TAKE IT WITH YOU RISK FREE

Imagine the freedom. You can tune in the world wherever you are whenever you want. From 'Soaps' to 'The Space

Shuttle', you'll see and hear it all.

If you're not 100% satisfied, simply return it to DAK within 30 days in its original box for a courteous refund.

To order your Emerson 5½" Super Color TV 3-way Entertainment system with 3-way power, risk free with your credit card, call toll free. Don't send Emerson's \$345 suggested retail price, send just **\$199** (\$7 P&H) Order No. 4179. CA res add sales tax.

Experience the thrill of vibrant color TV at work, on the road or in your kitchen or bedroom. Now you can be where you want to be, not just in your living room, with your personal window on the world.



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8200 Remmet Ave., Canoga Park, CA 91304

PRICE SLASHED
List price was \$249, DAK sold it for \$129
NOW JUST \$99
Use Order Number 4133 plus (\$6 P&H)



Mommy It's Me

Most wild animals can pick their own young out of a crowd. Well, now there's a phone that not only can pick its master out of a crowd, but can happily serve you and do tricks for you. And, your new Pet Phone's normal \$249 adoption proceeding's price has been slashed to just \$129.

Get Mom. Get house. Get office. Just speak to your new pet and your wish will be transformed into action.

Your new pet phone is very smart. It actually recognizes the words you say. And, while you can't train it to roll over, you can train it to dial any of 16 numbers with just the words you speak.

Plus, it can do a whole lot more. It can automatically redial busy numbers and recognize the difference between a busy signal and someone answering the phone.

You'll have hands free phone convenience. Because, your pet is a pure bred, with a full duplex speakerphone pedigree.

And, if you don't want to talk to your pet, just rub its tummy. You can dial any of the 16 numbers you have programmed with the touch of a single button.

IT UNDERSTANDS YOUR WORDS

Imagine saying "office", and having your number dialed for you. Say "Bob", and Bob's number will be dialed. It's new. It's exciting. And, its responses really make it seem alive.

Sure, we're all used to pushing buttons and having things happen. But here's a 'pet' that really understands what you say and can actually discriminate between the words you speak.

It's all made possible by a new patented integrated circuit that converts analog (your voice) into digital pulses.

The computer brain analyzes your digitized voice. Then it lights an LED next to one of the 16 names you've listed to confirm your command. And, finally, it dials a number up to 30 digits long.

It all happens in the wink of an eye. Say 'Time', and you'll get the time. Say 'Golf', and you'll get your club.

If you live in a pulse area and you'd like to use MCI or Sprint, just program your local access number in pulse. Then switch to tone to enter your codes and the number.

Your pet phone will always remember

to dial the number exactly the way you've programmed it. And, it won't forget.

There's power failure protection when you install a standard 9V battery (not included) for both the phone memory, the clock time and the alarm time.

Yes, there's a built-in full function digital alarm clock with an extremely large, easy to read, LED display.

HOW TO TRAIN YOUR PET

Your new pet just loves to perform. Just push a few buttons and your pet will ask you to talk to it for a few moments to familiarize itself with its new master.

After it knows you, you can teach it new numbers or change old numbers in just a few seconds. You choose the name to go with each number. And, you can change its memory at any time.

Just plug it into a phone jack and an AC plug. And, you'll have activated the world's first voice recognition phone.

AND WHAT A TELEPHONE

The 'Last Number Redial' has two real twists. If you call airlines or friends who are constantly on the phone, your days of frustration are over for good.

First, when you reach a busy number, you simply touch 'Redial' and hang up. Your pet phone will immediately redial the number 15 times for you. Then, it shuts down and waits for 10 minutes.

In 10 minutes, it tries the number 15 times again. This goes on for an hour.

Twist two is really special. When you finally break through the busy number, your pet phone will start beeping to tell you to pick it up. All you have to do is remember who you were calling.

You'll have a great sounding, full featured duplex speakerphone for hands free telephone conversations. Plus, the speakerphone is great for on-hook dialing.

Just touch the 'Speakerphone Button' and a memory button and you won't ever have to lift the receiver. If no one answers,

just turn off the speakerphone.

Your pet is multilingual. It can speak in true tone or true pluse. Just 'rub' the appropriate switch. And, if you've had enough, this is one pet that won't bark when you 'rub' it's ringer off switch.

WHY SO CHEAP

Audec is an R & D company working on voice recognition systems. One day, they may be responsible for introducing the first voice recognition typewriter.

Well, the only way to really test their chip was to get it out to consumers and let the public, not the lab technicians, test it. Well, they've succeeded.

They tell me that they have over 95% accuracy with the voice recognition chip. So this phone, which was really a consumer test, is finished. And, it's time to move on. DAK is offering just the 5700 remaining phones at a dramatic savings.

But, start looking for other products that will respond to the words you say. Your pet phone is backed by a standard manufacturer's limited warranty.

TRY A PET PHONE

RISK FREE

Talk to it. Let it dial for you. Experience the thrill of true voice recognition. This phone represents the threshold of a new era. And, it works **NOW!**

If you're not 100% satisfied, simply return it in its original box within 30 days for a courteous refund.

To order your Audec VRT-1100 Pet Phone with Voice Recognition, Automatic Dialer, SpeakerPhone and Clock, risk free with your credit card, call toll free or send your check, not for \$249, but for just \$129 plus \$6 for postage and handling to DAK. Order No. 4133

Your friends will be in awe as you direct its actions. You'll love the convenience. And, you'll have perhaps the most technologically advanced phone money can buy, at a close-out price.

You'll hear one of 22 changing tunes each time your doorbell is pushed. Or pick just one, it's up to you. Plus, you can compose your own.

Two years ago for my mother's birthday, I bought and built an electronic door bell kit. I programmed it to play Beethoven's 9th Symphony. Ever since, it's been a great conversation piece for everyone who visits my parents.

Now you can have a 22 tune doorbell that does much more than the one I built, costs less and doesn't require assembly. Plus, it comes with a 100 tune song book, or you can compose your own songs on its 1½ octave keyboard.

HERE'S WHAT YOU'LL HEAR

You can mix and match. Just push the selection switches to choose a theme like La Cucuracha if you're serving a Mexican dinner, Birthday Greetings, or Auld Lang Syne if it's New Years. The choice is all yours.

Or, the Computer will rotate to one of 17 of its programmed songs each time your doorbell is pushed. There are 4 Christmas songs that rotate in another sequence when you desire, and there's a special song if you have a doorbell for your back door.

Below is a list of the 22 preprogrammed songs, or choose from the 100 tune song book.

Mozart Sonata, La Cucuracha, Beethoven's Ode to Joy, William Tell Overture, Oh What A Beautiful Morning, Notre Dame Fight Song, Co. Bogie March, Jack n Jill, Birthday Greetings, Westminster Chimes, Yellow Rose Of Texas, Dixie, Alleluia, Charge, The Marsailles, Blue Danube, Auld Lang Syne, Beethoven's Fifth, Noel, Oh Come All Ye Faithful, Hark the Herald, Jingle Bells.

INSTALLATION IS A BREEZE

There's nothing special about installing the Door Tune Computer. It's just like replacing your old doorbell. You simply connect the same wires that are connected to your present doorbell, and there's even a provision for front and back doors. You'll also need to insert a diode, included. It's 2 minutes work with a screwdriver.

You'll have control of both volume and tempo. Plus, you can even add an additional speaker (not included) for the backyard or basement. But, best of all you can compose your own songs on the 1½ octave keyboard. It's easy and it sounds great. It's backed by a limited warranty.

TRY THE DOOR TUNE COMPOSER RISK FREE



Program a song. You'll even have whole notes, half notes and quarter notes. Let the Composer sequence through its songs. You're sure to get a warm feeling each time someone rings your doorbell.

If you're not 100% satisfied, simply return it within 30 days, in its original box for a courteous refund.

To order your Composer Programmable Door Tune Computer risk free with your credit card, call toll free, or send your check for only \$49 (\$3.50 P&H) Order No. 9827.

Weather Reactor?

Everyone's always talking about it, but nobody ever does anything about it.

Unfortunately, the all new Computemp 3 won't help you do anything about the weather. But, as long as you're going to talk about it anyway, you might as well have lots to talk about.

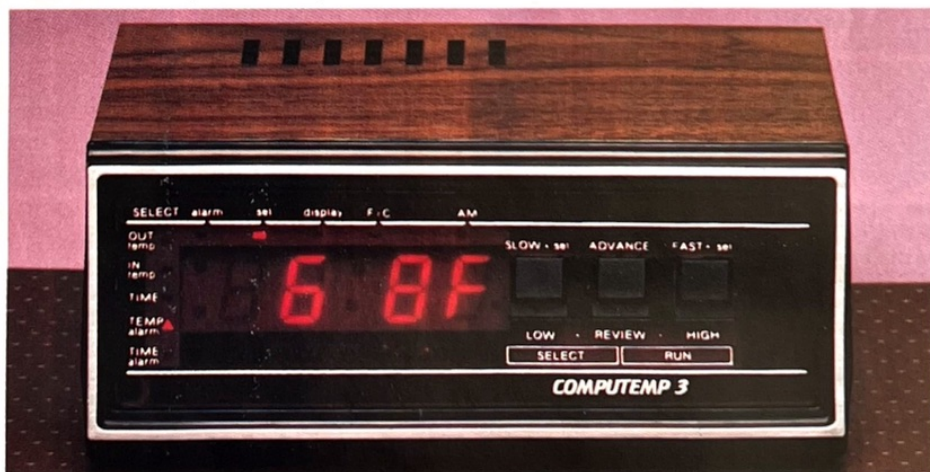
As you look at the Computemp, you'll see a never ending sequence of the time of day, the inside temperature and the outside temperature.

If you push its buttons, you can see the high temperature of the day and the time it occurred. Push another button, and you'll see the low temperature and the time it occurred.

And speaking of high and low temperatures, there's a temperature alarm which you can set to alert you to dangerous extremes.

You can set the alarm to sound if it gets too cold for your plants or too warm for your wine. The temperature alarm can be set for any temperature from -65°F all the way to 180°F.

Below, you see displays that show, 1)



the time of day, 2) the inside temperature, 3) the outside temperature, 4) the low temperature for the day, and 5) the high temperature for the day (if you're lucky enough to live in Palm Springs).

The Computemp comes with both indoor and outdoor sensors. Just run the included sensor wires, plug it in, and become an instant weather expert. It's backed by a standard limited warranty.

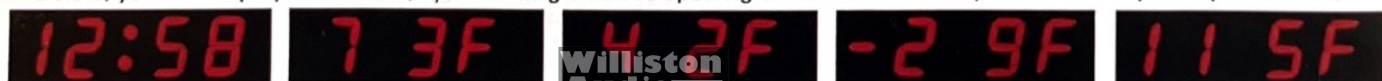
TRY THE WEATHER REACTOR RISK FREE

Now you'll know how to dress in the morning without opening a window or

turning on the news. Try the Computemp 3 risk free. If you're not 100% satisfied, simply return it in its original box within 30 days for a refund.

To order your Computemp 3 Indoor and Outdoor Temperature Computer risk free with your credit card, call toll free or send your check for just \$69 (\$3 P&H) Order Number 9772.

Seeing the flashing temperature in your home may not make you warmer, but it's amazing how everyone stops shoving the heat up and down when they see the Computemp in action.



Williston
Audio Labs
Not for Resale

Video Switchboard

Now you can electronically direct your incoming and outgoing video signals where you want them without changing cables, at an incredible breakthrough price. Plus, you can amplify incoming signals.

It's intimidating. You don't just go out and buy a TV, pull up its rabbit ears, and start watching anymore.

Now you've got to hook into cable, connect a video cassette recorder, a computer, a game or a satellite, and maybe even use a 'decoder' box. And, you might want to connect all this to several TVs.

Well, these all new, totally electronic, low noise switchers will let you watch or record any signal on any or all of your equipment at the touch of a button. Plus, you can amplify incoming cable and antenna signals by 10db if you wish.

SOMETHING FOR EVERYONE

You may have 1 TV or 10. You may have 1 video recorder or 2 or 3. These new electronic switchers will let you route your signals wherever you wish.

Electronic switchers are AC powered, solid state electronic devices that aren't subject to noise and age. They're rated for over 1,000,000 operations. Wow!

WHAT'S IN IT FOR YOU?

You're sure to be amazed at how easy it is for you to take control of your video when you look at the examples below.

And, don't worry about cutting cables and attaching connectors. DAK has made it all easy. **You, just screw our cables, switchers and adaptors together.**

We are offering two switchers. One has 6 separate inputs and 3 outputs (don't be alarmed, you can really use them all), and the other has 4 inputs and 2 outputs. Any input may be switched to any output. And, LEDs display each action.



THE EXAMPLES

Let's say you have cable, an antenna, two TVs and a video recorder. Just connect the cable to one of the switcher's inputs, your antenna to another, and the output of your video recorder to a third.

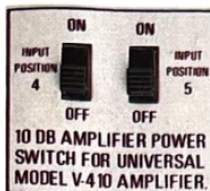
Then connect the 2 TVs and the video recorder's recording input to the outputs of the switcher. Now you can watch cable, antenna or a video cassette recording on either or both TVs, and record cable or antenna on your recorder.

Let's add a decoder box for your cable system. When you select a channel with the cable box, normally you can't watch or record any other channels.

Just connect one of our 2 way splitter (separators) just before the 'decoder'. Now you can run an extra cable from the splitter to a 4th input on the switcher and watch and record any other channels.

If your TVs or recorders aren't Cable Ready, they will get VHF 2-13. If they are Cable Ready they will pick up any of the non-scrambled cable channels.

Let's look at a different example. If you have a TV in your bedroom, now you can run one cable (20 foot cables are just \$7.99 and you can connect two together) and get anything connected to the switch-



er sent to your bedroom, den or kitchen.

So you can watch decoded or normal cable, your own video cassettes, or your antenna. And, if you have a Cable Ready video cassette recorder, you can use its tuner to tune in cable channels on any TV. There are easy to follow block diagrams in the switcher's instructions.

By the way, you may wonder why I mention having an antenna when you have cable. There are three reasons.

First, you don't need cable to want a switcher. Second, if cable goes out, your antenna will still be working. And third, in many areas there are still some local stations that don't make it onto cable.

THE AMPLIFIERS

The switchers are unique in that they have a built-in power supply to operate two 10db signal amplifiers. Just screw the optional \$9 low noise amplifiers into the cable and antenna inputs on the switcher to really suck in distant signals.

It's all made by USI, and backed by their standard limited warranty.

TAKE CONTROL OF YOUR VIDEO RISK FREE

Direct your video signal where you want it. Why buy a recorder for the bedroom when you can use the den recorder. Why connect and disconnect wires when you want to play games.

If you're not 100% satisfied, simply return it in its original box(s) for a refund.

To order Universal's 6 input and 3 output low noise 1,000,000 operation Electronic Switcher risk free with your credit card, call toll free or send your check for DAK's breakthrough price of just \$69

plus \$3 P&H. Order No. 4245. For the switcher with 4 inputs and 2 outputs, send just \$49 plus \$3 P&H. Order No. 4246. Each Special 10db Amplifier is just \$9 (\$1 P&H). Order No. 4263.

Here's everything you'll need to make even the most complicated system easy. Cables have standard coax male ends that screw into adaptors and switchers which have female ends to mate with cables.

3' cables are just \$3.99 (\$1 P&H) Order No. 4247. 6' cables are just \$4.99 (\$1 P&H) Order No. 4248. 20' cables are just \$7.99 (\$1.50 P&H) Order No. 4249.

Want to connect two cables? (Two 20' cables make a 40'.) An adaptor is just \$3.99. (\$0.50 P&H) Order No. 4260. If you have screw terminals on any of your TVs rather than the round coax connector, just order this adaptor which takes a cable at one end and screws onto your set's VHF screws on the other. It's just \$4.99 (\$0.50 P&H) Order No. 4262.

2-way splitters let you send the same signal to two devices, like to a 'decoder' and to a switcher, or you can split a switcher's signal and send it to two TVs for just \$4.99. (\$1 P&H) Order No. 4261.

These easy to use, breakthrough switchers will allow your system to grow and stay easy to use in future years.



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For credit card orders call 24 hours a day 7 days a week
CALL TOLL-FREE. . . 1-800-325-0800
8200 Remmet Ave., Canoga Park, CA 91304

Williston Audio Labs
Not for Resale

\$5 WORD PROCESSING BONUS



Letter Cruncher

When you want your letters to look like they were individually typed on a typewriter, let this \$399 suggested retail daisy wheel printer with underlining and bold print, turn out your job for just \$199.

By Drew Kaplan

It's impossible to tell. No one will know. When your computer prints out a letter on this printer, it looks like you personally typed it yourself.

And the reason that it looks personally typed is because this remarkable printer uses the same type heavy-duty daisy wheels used in office typewriters.

And it uses 300,000 character \$6 poly ribbons. So, for business letters, for resumes, for reports or whenever you need professional 'typewritten' letters, this printer from Silver Reed is ideal.

So, for your office or for your home, now you can have 100% office quality printing for just \$199. And just imagine, you can edit your letters and let your computer retype them.

Plus, we're even offering you a Word Processing Program Bonus for \$5 to get you typing when your printer arrives.

And you can print on your office letterhead, on your personal stationary or on plain white paper. Plus, with the inexpensive optional tractor feed, you can print on fanfold computer paper.

But, before we examine this printer's capability to automatically underline, print in Bold, and print subscripts and superscripts, let's see if this printer is for you.

A FRANK COMPARISON OF DOT MATRIX VS DAISY WHEEL

Daisy wheel printers create perfect letter quality characters because each character is pre-formed on a spinning wheel. The name Daisy is derived from the fact that each letter is attached to the wheel by a small arm or 'petal'.

Dot matrix letters are formed by a series of wires that strike a ribbon, forming dots. In some of the newer dot matrix printers, the wires have been replaced by ink jets and even lasers.

Dot matrix letters are easy to read but lack the 'personal', professional touch. But, they do have advantages.

Dot matrix printers are faster. An average dot matrix printer prints at about 50 characters per second. Some even print at speeds above 100 characters per second.

Most daisy wheel printers print at 10 to 12 characters per second and this one is no exception. The fastest daisy wheels print at 30 to 40 characters per second.

Dot matrix printers can quickly print charts, pictures and graphics. Only the very sophisticated daisy wheel printers, like this one, can use their 'periods' to very slowly create limited graphics.

So, if you want to print letters and reports that look professional, then a daisy wheel is for you. If you want graphics and pictures, choose a dot matrix printer.



ALL THE AUTOMATION

All its features are compatible with most major word processing programs, such as Word Star, so you can easily pick and choose just what you want.

And, it prints bidirectionally which saves time. But I must admit it's disconcerting to see every other line being printed backwards (from right to left).

It can do this because it analyzes the letters in its buffer (yes it has a buffer) that are to be printed on the next line.

And, this printer is logic seeking. If your line ends in the middle of the page, it doesn't have to go all the way to the margin before it begins the next line.

And now for the features. You can set the left margin from your computer's keyboard. DAK letterhead requires a 1 3/4" left margin, so I really use this feature.

You can set and clear tabs. You can set horizontal spacing, 'pitch', for expanded or contracted letter spacing.

Standard line feeding is 6 lines per inch. But you can increase or decrease the spacing as you require.

You can turn on or off automatic underline. Now that may be easy on a typewriter, but it's not easy for a computer, and the typesetter I'm using can't do it.

You can print in **Bold**, which I can do on this typesetter, as can many of the newest office typewriters.

You can print both subscripts and superscripts by having the printer half-line feed or negative half-line feed right in the middle of a line. So, for symbols or emphasis, you can do it all with this printer.

EASY TO USE

When you switch on the printer, it's preset for 11" paper, but you can set the form length to 8", 11", 12" or 15" to suit your needs. Whenever the printer receives a FF code, it will feed paper to the top of the next page. (This is most useful when you have the tractor feed).

There are dozens more features you can use, but remember, for plain letters, just turn on the machine.

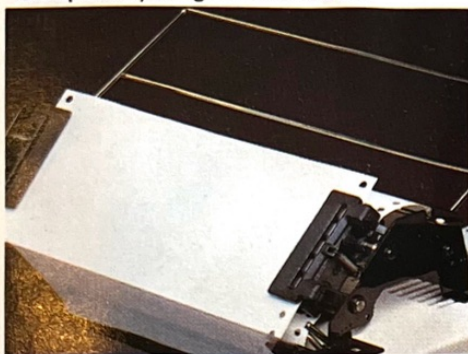
OPTIONAL TRACTOR FEED

It's amazing how inexpensive continuous form computer paper is. You can have it printed with your company letterhead, your personal stationary, or you can simply use plain white or colors.

If you use plain paper, you can have

the printer print your company name or your name in a variety of styles using bold or unique offset spacing.

You can even buy continuous labels so you can enter the mail order business. When I started DAK, I typed the mailing list (there weren't any personal computers) on gummed labels.



I have this printer connected to an Olivetti IBM Clone, but with computer prices the way they are today, you can buy a Commodore 64 for about \$149.

Then you can add a disk drive for \$250 or even our \$29 tape drive, our word processing program for \$5, an interface for \$39 and this printer for \$199.

Boy, if I had had this system when I started, I'd probably be retired and scuba diving in Hawaii by now. Of course you'll need a product, a lot of luck and hard work. But if you have a dream, as I did, now you really do have a chance.

Anyway, the tractor drive system which lets you use computer paper, snaps in instantly (about 30 seconds), so you can switch back and forth effortlessly.

And finally, there is a large selection of daisy wheel type styles. So, you can choose styles that suit your mood.



WHY SO CHEAP

It wasn't easy, but money talks. DAK bought 6800 battery operated typewriters from Silver Reed for cash.

On the printers they turned us down, but they finally said, "yes". Note: We have only 5000 printers at this price.

So, forget their \$399 suggested retail. This incredible printer which prints 100% office quality looking letters, is yours for \$199. And, it's backed by Silver Reed's

standard limited warranty.

COMPATIBLE COMPUTERS

Use any computer with a standard Centronics parallel port, such as: Apple, Franklin, IBM PC, TRS80 Black & White, Osborn, Atari, Commodore, Kaypro, and virtually any other computer.

FEAR OF INTERFACES

Your computer is smart. But, it doesn't know how to 'talk' to other devices. That's why you need an interface.

An interface isn't just a cable. It's actually an intelligent translator that lets your computer talk to other equipment.

Usually the computer manufacturers don't include the various interfaces when you buy your computer, because they don't know if you'll ever add peripherals.

There are two types of printer interfaces. The first allows you to do text word processing, and the second is for graphics. For 99% of computer use, the text unit is all that is needed. (It's all that's needed for this printer).

It translates all the characters known as ASC11. This printer understands 96 characters and symbols.

SUPER BONUS

\$5 WORD PROCESSING

We have powerful bonus word processing programs for \$5 with the ability to edit, and save a file on disk.

While you can choose just about any word processing program to energize this computer printer, DAK has developed incredibly easy to use programs.

If you own an IBM PC, an Apple IIE, an Apple II or II Plus with an 80 column card, the new Apple IIC or a Commodore 64, \$5 will bring you phenomenal power.

If you own any other type of computer, standard word processing programs are available at any local computer store.

**SUPERB LETTER QUALITY PRINTING
RISK FREE**

If you want superb 'typewriter' typed letters, then hook this sophisticated letter quality printer to your computer.

And best of all, if you want to change a word or a sentence after a letter is typed, your computer will retype it for you.

If you aren't 100% satisfied, simply return it in its original box within 30 days for a courteous refund.

To order the Silver Reed Letter Cruncher with parallel interface built-in, a busi-

ness style daisy wheel and a 300,000 character poly ribbon risk free with your credit card, call toll free, or send your check for DAK's breakthrough price of just \$199 plus \$8 for postage and handling. Order No. 4344. CA res add tax.

To order the optional instant connect tractor feed shown mounted on the printer on this page just add \$69 plus \$3 P&H. Order No. 4345.

300,000 character poly ribbons are just \$6 plus \$0.50 P&H. That's a lot of printing for just \$6. Wow! Or. No. 4346.

INTERFACES FOR YOUR COMPUTER

Silver Reed's printer has a built-in Centronics Interface to receive information from your computer's interface. Standard Centronics interfaces are available for your computer at any computer store. Below are 5 of my favorites.

For your Apple II, II Plus or IIE. We have Practical Peripherals' text interface for just \$49 (\$2 P&H) Order No. 9877. Just add \$5 (\$1 P&H) Order No. 4217 for the Bonus Word Processing Program on disk.

For your Apple IIC. Your computer has a different output called serial. We have an interface that converts it to parallel. It's just \$69 (\$3 P&H) Order No. 4225. Just add \$5 (\$1 P&H) Order No. 4217 for Disk Word Processing Program.

For your IBM PC, or Clone. You don't need an interface. It's usually built-in. All you need is a cable to connect your computer to this printer. It's just \$19 (\$2 P&H) Order No. 9879. Just add \$5 (\$1 P&H) Order No. 4218 for the Bonus Word Processing Program on disk.

For your Atari 800, 800XL, 400, or 600XL. We have a text interface for just \$69 (\$2 P&H) Order No. 9881. Sorry, we don't have bonus word processing yet.

For your Commodore 64. We have a text interface for just \$39 (\$2 P&H) Order No. 9883. You get two bonus programs. You get a 200 Name, 8 Field Data Base Program and our Word Processing Program on disk for just \$5 (\$1 P&H) Order No. 4122. If you prefer the programs on cassette, Order No. 4123.

For TRS80 Black & White Computers. (Most TRS80 Color machines have serial outputs.) You don't need an interface. All you need is our parallel cable for just \$18 (\$2 P&H) Order No. 9885. No word processing bonus yet.

For briefcase-type portables, the interface is usually built-in. All Centronics Printers use the same cable at the printer end, but you'll need a cable from a computer store that fits your computer.

Now you can harness the power of your computer while your printing looks like a typewriter. You'll never have to retype a letter if you find an error or want to improve a paragraph. Now, no one looking at the quality of the printing on your letters will know if you're a multinational corporation or a student.

Apple, Atari, IBM PC, Franklin, Commodore VIC 20 & 64, TRS80, Osborn, and Kaypro, are registered trademarks of Apple computer, Atari Inc., International Business Machine Corp., Franklin Computer, Commodore Electronics Ltd., Radio Shack/Tandy, Osborn Corp. and Kaypro respectively.



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Not for Resale

Whispering Thunder

The fog may come in on little kitty cat's paws of Dolby. But the earth will thunder and shake when you switch in Sharp's equalizer and 'detonate' the sound of the auto reverse cassette deck and the AM/FM stereo tuner.

By Drew Kaplan

It's expensive. Even at DAK's discounted price. But, if you're thrilled by the actual sound of your music, not just the songs. And, if you're willing to pay for truly earthshaking bass and highs that will blow you away, Sharp's new stereo system for your pocket is for you.

Its cassette deck has a frequency response from 40hz to 16,000hz. And, its amplifier and headphones (included) will shake your perception of sound.

TOO LATE

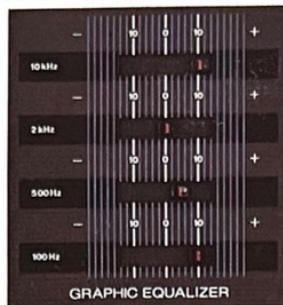
From the auto reverse cassette deck to the AM/FM stereo tuner pack this deck is all class. Just switch in its Dolby B to add 10db to its signal to noise ratio.

You can sculpture the frequency response by ± 10 db at 100hz, 500hz, 2,000hz and 10,000hz. Just one test is all that it will take to make you a believer.

But it's too late. I think the market for expensive pocket stereos is gone. And, I told Sharp that I wasn't going to carry this piece. Sharp's vice president said ok, but sent me one to play with anyway.

Well, I played one tape. And, as I've said in my ads before when the sound is really dramatic, "The sound will knock your socks off". Well, I wear a size 14, and I'm still looking for my socks.

It's just 4 1/4" X 3" X 31/32". It operates on just 2 AA batteries. It has a newly developed coreless motor and it's absolutely rock stable. Sharp says it's a home stereo system for your pocket with a real amplifier, an equalizer, an auto reverse



cassette deck, and stereophones that rival 3-way speaker systems. It's backed by Sharp's standard limited warranty.

WHISPERING THUNDER RISK FREE

It's no secret that Drew Kaplan loves equalizers, but wow, Whispering Thunder is an understatement.

If you're not 100% satisfied, simply return it in its original box within 30 days for a courteous refund.

To order your Sharp Whispering Thunder with Auto Reverse, AM/FM Stereo, Dolby, and an equalizer risk free with your credit card, call toll free, or send your check for DAK's discounted, but still not cheap price of \$99 plus \$3 for P&H. Order No. 4339.

I'm pretty cheap. I'm not used to paying \$100 for a personal stereo any longer. But this revolutionary personal stereo has gotten my 100 bucks.

Electronic Flashback

Direct dial buttons let your mind flash to the future, not to your memory, when you dial any of 23 of your most frequently called phone numbers. This phone is loaded with features and it's yours for just \$39!

It just takes a few seconds. It's no big deal. But if you're like me, you may dial the same numbers over and over again.

Even if you aren't often frustrated by busy lines, and even if you never make a mistake dialing, a memory phone is a whole lot more than a posh luxury.

MEMORY FLASHBACK

Forget telephone books. Forget remembering numbers. And best of all, forget dialing and redialing busy numbers. Now, for just \$39 this 23 number decorator phone will reduce 7 to 16 digit numbers to just 1 or 2 button dialing.

You can automatically dial your complicated Sprint or MCI codes. Then dial the number you want to call manually or from memory. And, you'll be amazed at the time you save when you automatically dial 7 digit local numbers, especially when you reach a busy line.

The Flashback Memory Phone has 20 numbers you simply access with buttons at the top of the phone and 3 Emergency Buttons at the bottom of the phone.

The phone also has Tone/Pulse switching, One-Touch Redial, Pause and a Ring-er On/Off switch. The handset has true Phone Company fit and feel. And the sound quality is simply terrific.

The phone may be desk or wall mounted. You simply plug it into any modular phone jack. And, when you install a 9V battery, the memory is protected.



It's made by USI (Universal Security Instruments Corp.) And, it's backed by their standard limited warranty.

FLASHBACK NO MORE RISK FREE

If you've ever dialed a long distance call, then entered a telephone credit card and made a mistake after a total of 15 or so digits, you're sure to appreciate this memory phone. And, if you only make local calls, just think of how fast and easy they will be.

If you're not 100% satisfied, simply return it in its original box within 30 days for a courteous refund.

To order your USI 23 Number, Flashback Memory Phone, with Redial, Pause, and Tone/Pulse risk free with your credit card, call toll free, or send your check for just \$39 (\$3 P&H) Order No. 4275.

I used to think that dialing phones were just for lazy people. But I find that saving time and hassle, even just 15 or so minutes a day, really adds up for me.

\$99 Big Screen TV for Crickets

If you don't have a pet cricket, you'll find that you won't have to be a weight lifter to carry around this 2.4 pound micro AM/FM TV. And, at only \$99, you won't need a fat wallet either. Plus, wait till you see how we've solved the battery problem.

By Drew Kaplan

Ok, so you don't have a pet cricket. You may not even like the little critters. And, I'd be willing to bet that you don't want to buy them a big screen TV anyway.

Which brings up the next logical question. Why in the world would you want to watch a big screen 2" TV for crickets? Even with its included magnifier, it's still very very small.

Can't you just picture a group of about 10 of your friends huddled around this TV watching a football game? And, can't you imagine picking a face out of a crowd all scrunched into a 2" TV picture?

FORGET THE CRICKETS

Well, the answers to the above questions are yes. Imagine watching the play by play of a football game (including the instant replays) while you're sitting in the stands.

And picking a face out of the crowd is a snap. You see, this TV receives the same picture that your 19-25" home TV gets, but since it's only a 2" (diagonal) picture, it's very very sharp.

In fact, I think you'll find that the picture sharpness is closer to a photograph than to a TV. And, it's extremely bright.

And don't forget, we've got the battery problem licked. By the way, the TV comes complete with an AC power supply so at your desk, or on your nightstand, you can simply plug in this TV.

And of course, if you're really a nice person, or an entomologist, you can leave it plugged in to entertain your crickets.

CLAIM TO FAME

But, the real claim to fame of this incredible micro AM/FM TV entertainment center, is that it goes where you go. With its heavily padded leatherette case and shoulder strap (both included), you can have a TV just about anywhere.

You can catch a game, watch a movie or even keep up with a soap opera. Boy, I can just see the 150 or so DAK team members pulling their micro TVs out of their desk drawers at lunch. (Horrors).

Speaking of soap operas and the like, this is a perfect gift for anyone who sits under a hair drier. With the earphone (included), you or anyone in your family can turn an hour of boredom into an hour of entertainment.

In the back yard, in the garage, or at the park, this tiny 6" X 7½" X 2" TV is so easy to take along, you'll never want to



be without entertainment.

Haven't you ever noticed that whenever you're at a Little League Game or even your own game, the best pro-games are on? Well, now you won't miss a thing.

And as you can see below, you get the AM/FM TV, the heavy padded leatherette case, the shoulder strap, the magnifier/sun hood, the AC power supply, and the earphone. Wow, that's a lot for \$99. But what you really get is freedom.

ADDICTED?

I like TV. I know it's not 'in' to admit it. But, it's entertaining and it helps get my mind off DAK. Sure, there are times when I don't want to miss a news conference.

Sure, when the TWA hostage crisis was going on, I was checking in regularly. And sure, if there's ever a major emergency, a TV/radio that doesn't require AC power could be important. But, the truth is, I like quiz shows and old movies.

And if I'm stuck somewhere, I whip my TV out of my glove compartment and turn boredom into tranquility.

NOW THE BATTERIES

I don't know if I'm cheap or lazy. But I hate buying and changing batteries. Well, with this TV we've got a battery pack that you put in once and forget it.

You don't have to take it out to charge it. Just plug in the AC adaptor and switch the TV to charge. You'll have years of rechargeable entertainment.

We've made special arrangements to supply it to you for \$16.50. Wow, that's not inexpensive, it's cheap. Think of it, all the TV you want, without ever buying

any more batteries.

And there's only one other optional accessory that isn't included in the package. You can have a cord that lets you operate this TV from your car's cigarette lighter for just \$9. So, this TV can run from AC, 6 AA batteries, a special rechargeable battery pack, or from your car's cigarette lighter.

ALL THE ENTERTAINMENT

The TV will tune in all VHF channels 2-13 and UHF channels 14-83. You can listen through its large full range speaker or use the earphone for privacy.

So, whether you want to watch the news at the office, soap operas at the beauty shop, ball games from the stands (Little League, Pro or College), or golf matches from your hammock, this TV will deliver what you want.

It's made by Emerson and backed by their standard limited warranty.

BIG SCREEN TV FOR CRICKETS RISK FREE

Wait till you see the picture. Wait till you see just how good the reception can be. And wait till you see just how big a little screen can be.

If you're not 100% satisfied, simply return it in its original box within 30 days for a courteous refund.

To order your Big Screen TV for Crickets with AM and FM and all the accessories pictured to the left risk free with your credit card, call toll free, or send your check for DAK's breakthrough price of just \$99 plus \$4 P&H. Order No. 4336.

To order the Rechargeable Battery Pack that simply fits into the battery compartment, add just \$16.50 plus \$1.50 P&H. Order No. 4337. And, if you'd like the Car Cord, it's just \$9 plus \$1 P&H. Order No. 4338.

Whether your tastes run to PBS or old movies. Whether you prefer golf or tennis. Now you can enjoy your preference wherever and whenever you desire.



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**Williston
Audio**
Not for Resale

Sharp Commando

It may look like a compact stereo. But, with its microcomputer controlled linear tracking turntable that plays both sides of the record and its soft-touch cassette deck with Dolby, it sounds and acts like an automated component stereo system. And, wait till you see DAK's price.

You'll hardly notice it on a shelf. But, just one touch of its controls will make this totally automated, dramatic sounding stereo system leap into action.

And action is an understatement. Before we discuss its vibrant sound, the soft-touch cassette deck with Dolby, and of course, the AM and FM stereo tuners, let's look at the automated turntable.

PLAY BOTH SIDES AUTOMATICALLY

Now you can play Side A, Side B, or both sides over and over again. Now you can have an evening of uninterrupted music from a single record.

And, if you tape, you'll be able to copy both sides of a record onto a cassette, unattended. But, that's just the easy part.

From the moment the linear tracking tone arm, complete with a magnetic cartridge, glides into action, you'll be making great sounding cassettes with the selections in the order you choose.

You can move the arm from track to track by using the 'FWD' and 'REV' buttons. And, you can do it on **BOTH** sides of the record. Just push one of the buttons until the arm is in the location you desire. Then touch 'Cue' and the arm will lower onto the record.

From the second that the diamond touches the groove, you'll be listening to great sounds. You can play or repeat one side, play or repeat both sides, or move just to the selection you want.

LINEAR TRACKING ACCURACY

The linear tracking arm means that you'll have precise lateral balance and accurate tracking, from the outside of the record all the way to the innermost groove.

So, you'll enjoy dramatically clean, distortion free sound without tracking error. And, the same arm actually plays both sides of the record.

It moves in a 'U' pattern around the end of the record to play side B. The turntable platter is driven by a precision controlled DC motor for superb stability.

There's a totally separate DC motor that drives the linear arm. Linear arms can track vertically, horizontally and up-side down with no degradation of sound.

Push the play button and choose side A or B, and the arm will move out to the record. You can move forward to skip songs or move back to play songs again. If you don't like the current song, push 'FWD' and you'll skip forward as you like.

Now you're in full control and you'll never scratch a record because the on-board computer controls all the actual arm movements. So prepare yourself for total automation and for really great sounds from your records.



DON'T FORGET THE SYSTEM

You'll have sensitive FM stereo and AM tuners to provide entertainment from the outside world. Of course, you'll have a signal strength meter for tuning, a large slide rule dial and a stereo indicator.



And, while most of the space here has been devoted to the revolutionary turntable, let's not forget the cassette deck. It's really a component quality, soft-touch deck. It has a hard permalloy head for high quality recording.

A feature you won't generally find in 'compact stereos' is Dolby. Sharp has Dolby B for 10db of noise reduction.

You'll really appreciate the Dolby when you consider the clean highs you'll be able to hear from the system's two-way 8" bass-reflex speaker systems. Unlike most compact stereo's one-way speakers, these really sound good.



IT DOES IT ALL

The amplifier delivers a not unimpressive 10 Watts per channel minimum

RMS into 8 ohms from 80hz to 20,000hz, at its rated distortion. While it certainly isn't a massive amount of power, it's more than enough to deliver clean rich sound from this system.

In all, you'll get something that looks like a compact, acts like a computer, and sounds like a component stereo system. The system is backed by Sharp's standard limited warranty.

THE SHARP COMMANDO RISK FREE

It's a lot of stereo for a small price. Wait till you hear the sound. Wait till you see the linear tracking arm move across and around the record.

And wait till you make some recordings. It's sure to make a dramatic sonic impression in any room of your home.

If you're not 100% satisfied, simply return it in its original box within 30 days for a courteous refund.

To order your Sharp Stereo System with a Linear Tracking, Both Sides Playing Turntable, a Soft-Touch Dolby Cassette Deck, AM and FM Stereo, risk free with your credit card, call toll free, or send your check for DAK's 'very compact' price of just \$188 (\$18 P&H) Order No. 4312.

It won't shoot you. It won't blow up any bridges. But the Sharp Commando's dramatic sound isn't betrayed by its appearance as a compact stereo.

Ion Tidal Wave

Like the awesome thundering power of a tidal wave, negative ions will wipe pollution out of your environment. And like the rising and falling tides remove pollution from the beach, your environment will be kept pollution free.

Nothing stands up to the mighty force of a tidal wave. And when the wave recedes, it takes everything with it.

And like the mighty suction of the receding ocean waters, pollutants in your air, from smoke to pollens, will succumb to the power of the Ion Tidal Wave. Here's how it works.

IN AND OUT

First the mighty wave strikes. The force of this wave's wall of water consists of 15.5 trillion negative ions per second.

Being negatively charged, the ions attach themselves to any positively charged particles in your air. Pollutants such as cigarette smoke, pollen, smog, car exhaust and insecticide dust, all have positive charges. So, the negative ions are drawn to them like magnets.

Then the awesome wave of negative ions stops. The negative ions, complete with the attached pollutants, start drifting to your positively charged walls, ceilings and floors.

But wait. Just as the ocean reclaims the water that it so forcefully delivered in a tidal wave, the base of the Pulsair becomes a powerful positive collector and sucks the ions, with the pollutants attached, back to itself.

So, instead of falling to the floor or sticking to your walls, most of the pollution is pulled back to the Pulsair. Just like the rising and falling tides, your environment will be cleansed by the action of the ion wave.

If you want to see an ion generator remove smoke, here's an easy test. Place a standard clear kitchen bowl over the ionizer. Puff some cigarette smoke into the bowl. Then plug in the ionizer.

Before you can say, "Pulsair Kill", the smoke will be totally gone. It's an easy test and it's sure to make you a believer.

You'll get a graphic example of just what will happen to pollen, smoke and other pollutants in your environment.

BIG BERTHA OF GENERATORS

Pulsair is the third generation of ion generators. First there were simple generators that generated negative ions.

Negative ion generation is used in hospital burn wards and computer chip manufacturing to remove microscopic particles that can adversely affect patients and chips alike.

These ion generators worked fine. In fact, they worked so well that your walls became black from the particles they removed from the air.

In my opinion, black walls are a lot better than black lungs. But they worked so well, that consumers complained.

Then came bipolar collectors which sent out ions and concurrently collected them in the base. (We still sell one that works great for just \$39).

Your air could be cleaned, your walls didn't get too dirty and everyone was happy. The only negative was that the ions couldn't go as far because they were being pulled back by the collector even as they were sent out.

Enter Big Bertha. Pulsair is different. It is bipolar, but it operates just like the ocean's rising and falling cleansing tides.



By sequentially sending out a massive wall of negative ions, then shutting off, and finally turning on its collector, a massive constant circulation of ions occurs that cleanses your room like never before.

Minute by minute, hour by hour, day by day, the sequence continues. First a massive wave of ions is sent out. Then seconds later, it's sucked back to the collector. You can't hear it. You can't feel it. But, watch the smoke disappear.

CIGARETTE BUTTS & BOULDERS

Fans with charcoal or furnace type filters may remove some large particles like cigarette butts and large ashes from the air. But, they're just about useless for anything under 5 microns.

Over 90% of air pollution particles are smaller than 5 microns. So, there just isn't any other reasonable defense for you other than a negative ion generator.

Pulsair is just about the only air cleaning system which can remove and collect tobacco smoke, dust, pollen and even bacteria from the air.

Pulsair constantly cleanses all of the air throughout its tidal area. In contrast, fan driven filter type machines can only clean the air that they actually draw through themselves.

NOT A NEW IDEA

Actually, the negative ion manufacturers didn't think of this great way to clean the air. God did.

If you've ever smelled the sweet country air after a thunderstorm, or near the breaking surf at the beach, you know the invigorating feeling that comes over you.

Pulsair does for a 250 square foot area, what Nature does for the entire countryside. It seems that positive ions

are associated with pollution and negative ions with good fresh natural air.

There are lots of claims that a negative air ionizer will let you think more clearly, sleep better and feel happier.

There's no way to prove or disprove the claims. But, it is safe to say that if all these things come from cleaner, pollution free air, it just may be possible.

A removable, washable filter comes with Pulsair. You just rinse the filter when it gets dirty. And wait till you see just what Pulsair removes from the air before it gets into your lungs.

It is 6" tall. It's made by ISI, an innovator in negative ion technology. And, it's backed by their standard limited warranty.

A CLEANSING TIDAL WAVE

RISK FREE

Make the smoke test. Let it wipe out the pollution (like other people's cigarette smoke) in your home or office.

If you don't think you're breathing cleaner fresher air, simply return it in its original box within 30 days for a refund.

To order your Ion Tidal Wave Negative Ion Generator with your credit card risk free, call toll free or send your check for just \$79 (\$4 P&H). Order No. 4343.

I can't guarantee that it will help you sleep, solve crime, or improve your sex life. But it's tidal surges will give you cleaner air to breathe, and that's priceless.



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Ear Feast Plus

Imagine the sound you'll hear from all your musical sources when you use these stereophones that are designed to capture the sonic violence, dynamic range and frequency response capabilities of CD discs.

By Drew Kaplan

It's a fallacy. People are supposed to wear headphones so they won't bother other people. Rubbish. I wear headphones so no one bothers me. And, while I'm not being bothered, I want superb sound.

With a true 20hz to 25,000hz frequency response that isn't affected by limitations of your listening room environment, these all new Mura headphones can offer you some of the best musical sound from any source.

HIGH VELOCITY DRIVERS

The sound is fast. It has to be to contend with the sonic capabilities of CDs. So, with any other source these incredible new headphones will be coasting.

Large, high velocity mylar diaphragms, (these drivers are much larger than traditional open-air headphones) have a real deep bass capability.

Samarium cobalt magnets are used for the voice coils because samarium has very closely spaced electron orbits that produce the strongest magnetic field potential. Therefore, it gives the fastest and most accurate sound reproduction.

The highs are clean and transparent. The mid-range is full and rich. In short, it's a great sounding headphone. And, it's a great feeling headphone as well.

Each ear section actually swivels to match your head for maximum comfort. From the leatherette covered headband to the extra ear pads, it's all first class.



The headphones come with a 4' cord which terminates in a mini phone plug. Then you get an 8' extension cord that terminates in a standard 1/4" stereo plug. It's all backed by Mura's standard limited warranty.

A FEAST FOR YOUR EARS RISK FREE

Close your eyes and imagine the thundering bass produced by 15" woofers. Imagine the subtle realism of brushes tickling a cymbal.

Then put on these incredible new head-

phones and compare your imagination with the real thing. If you're not 100% satisfied, simply return them in their original box within 30 days for a refund.

To order your Mura, Ear Feast Plus, High Velocity Stereophones with full compact disc capability risk free with your credit card, call toll free or send just \$29 plus \$2 for P&H. Order No. 4340.

Don't be put off by our cheap price. You won't be hearing cheap sound. Although, at only \$29, the sound you do hear sure can be called 'cheap thrills'.

Getting Cable Made Easy

Now you can get cable TV programs on any TV or video recorder in your home without buying a remote control converter or having to hang out in the back of an electronics supply house to figure out what to do.

It's called a block converter. And, most people don't know anything about what it does or how to hook it up.

In fact, unless you're into electronics, you may never have heard of it before. Most block converters have been installed by technicians who knew what to buy, where to get it, and how to put it in.

DAK MOVES IN

You can literally be enjoying the world of cable on any TV or recorder in your home in less than 10 minutes when you use DAK's \$9 installation kit. Wow!

Anyway, a block converter is really very simple in concept. It captures the cable channels and rebroadcasts them to your TV on its UHF band.

If you have cable now, you'll notice that nothing is hooked to your UHF terminals because all cable is VHF.

SCARY INSTALLATION?

Just unscrew your cable from your TV. Then screw it into the block converter's input. Then open our \$9 installation kit. Connect one cable between the VHF output of the block converter and your TV and the other cable from the UHF



output to your TV's UHF input.

Ah but wait, UHF inputs on TVs are screw terminals for flat cable, not round cable. Well, we've included the adaptor you'll need. In fact, we've included 2 adaptors so that you can connect a TV that's never been connected to cable.

Then just turn on your TV, switch to UHF and enjoy cable. **Note:** You should check with your cable company to see if they require a fee. This converter is not an illegal descrambling black box.

HOW GOOD IS IT?

Because it is rebroadcasting the signal, you can expect between 90 and 100% of the quality you'll get with the cable company's box. And, if you have a TV with remote now, it will work perfectly.

IMPORTANT NOTE: It converts up to 47 channels all the time. The tuning knob is for fine tuning only.

It's made by Universal Security Instruments, Inc. And it's backed by their standard limited warranty.

CABLE TV MADE EASY RISK FREE

You'll especially enjoy making your video recorders or the TV in your bedroom cable compatible. If you're not 100% satisfied, simply return it to DAK in its original box within 30 days for a refund.

To order your Cable Converter/Block Converter risk free with your credit card, call toll free or send your check for just \$29 plus \$2 for P&H. Order No. 4341.

To get your DAK hookup kit consisting of 2-3' cables and 2-75ohm to 300ohm adaptors, add just \$9 plus \$1 for P&H. Order No. 4342.

The truth is that any TV or video recorder can receive cable. And, you won't need to be an electrical engineer.

CHANNEL CONVERSION CHART

CABLE	2	3	4	5	6	A-5	A-4	A-3	A-2	A-1
UHF	36	37	38	40	41	42	43	44	45	46

CABLE	14 _A	15 _B	16 _C	17 _D	18 _E	19 _F	20 _G	21 _H	22 _I	7	8	9	10	11	12	13
UHF	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62

CABLE	23 _J	24 _K	25 _L	26 _M	27 _N	28 _O	29 _P	30 _Q	31 _R	32 _S	33 _T	34 _U	35 _V	36 _W	37 _X	38 _Y	39 _Z	40 _{BB}	41 _{CC}	42 _{DD}	43 _{EE}
UHF	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83

Not for Resale



For Your Stereo System Too?

Here's a portable music machine with dual cassettes, dual auto reverse with full logic, and AM/FM stereo. Plus, it's a stereo component that is as at home plugged into your stereo system as it is on the road.

It goes where you go, even into your stereo system. At the beach or in the yard, Sharp's all new portable music machine and stereo component will keep you entertained.

It has two auto reverse decks. You can copy both sides of a cassette with the touch of a single button. And, you can copy the cassette at normal or high speed with simply great fidelity.

There have been dual cassette decks. There have been auto reverse decks. But, a dual auto reverse deck of this quality is a tremendous breakthrough.

Imagine a portable music machine that has 2 cassette decks with a frequency response from 40hz to 16,000hz with metal tape. And, just wait till you see its console plugged into your main stereo system.

WHY YOUR STEREO?

An auto reverse deck in your system is a real mood maker. It lets you have uninterrupted music. So, you can get up and change cassettes when you want, not when the cassette ends.

This dual auto reverse deck offers even more. It will sequentially play side A and then side B of deck 1, then side A and then side B of deck 2.

And then, it automatically begins the whole process again. Your music can continue uninterrupted, forever.

At the office, in the great outdoors, or anywhere in your car or home, you can use the detachable 2-way speaker systems to provide really great sound.

You'll especially enjoy the quality of the sound after you sculpture it with the built-in 5-band equalizer. Wow, wait till you hear the rich, full, powerful bass and the crisp, clean highs.

But, you'll love the sound best of all when you get home and plug the central console into any 'Aux' Input in your main stereo system.

Then you'll have all the massive power of your own system being activated by this never ending auto reverse dual cassette deck.

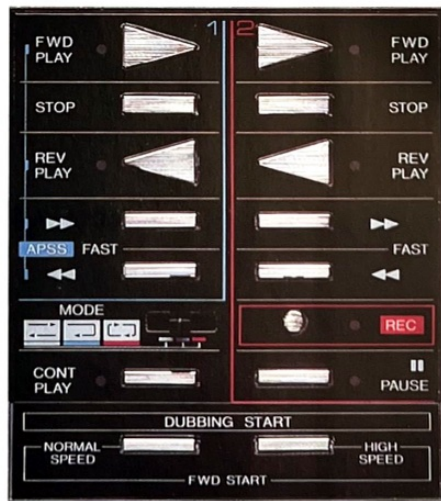
LOADED

It operates on AC (cord included) or D cell batteries (not included). There are

standard speaker terminals on the back to hook up the detachable speakers, or even to hook up your own speakers.

A sensitive AM and FM stereo tuner really pulls in even distant stations. And of course, you can record directly from the tuner. In fact, you can plug a mike into the unit to add your voice to any recording you are making.

There is no provision for stereo mike recording. But, you can do sound on sound by playing back a tape and singing along while you record a second tape. You can be a duet, a trio or even a chorus by continually adding your voice as you make successive cassettes.



You can set the decks to play one way only, both sides of one cassette or both sides of both cassettes. There's a built-in automatic recording level circuit for perfect dubs every time.

DAK has provided a special cable that lets you take the headphone jack output and feed it directly into your 'Aux' Input without loss. You'll love the sound of this deck in your system.

APSS-Let's say you're listening to a song you'd like to hear again. Just touch Reverse APSS and this deck will locate the beginning of the song and restart it.

If you don't like the song you are listening to, just push Forward APSS. The deck will then locate the beginning of the next song on the tape for you.

Both of these features are particularly useful for recording just certain selections from a tape. You can find what you want quickly and easily with APSS.

Just one touch of any of the electronic controls throws this totally logic controlled machine into action. You can switch the direction of a cassette at any time. And, each deck's full complement of controls is totally separate.

It is 25" long with its speakers (and they really sound great), and 14 3/4" long without the speakers attached. It's backed by Sharp's standard limited warranty.

AUTO REVERSE AND 2 DECKS RISK FREE

Don't underestimate the sound quality of this incredible portable with its 5-band equalizer and 2-way speaker systems, because of DAK's emphasis on putting it in your stereo system.

It's just such a superb addition to your system, that its use as a portable, bedroom, kitchen or office stereo will have to be taken for granted. If you aren't 100% satisfied, simply return it in its original box within 30 days for a courteous refund.

To order your Sharp Double Auto Reverse Portable and Stereo System Component complete with DAK's special Stereo System Adaptor Cable risk free with your credit card, call toll free or send your check for DAK's Barn Burner price of just \$188 plus \$7 P&H. Order No. 4329. CA res add sales tax.

Why spoil the mood by getting up and changing cassettes. Now you can have great **NONSTOP** entertainment wherever you are, whenever you like. And, wait till you hear what sound you'll have.



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Thunder Lizard Mistake Plus

Earlier this year we offered a 15" BSR speaker system with the wrong tweeter at a close-out price. Now, here's a super improved version of the same speaker for the exact same close-out price.

It was a mistake. Somebody goofed and put the wrong tweeter in 3500 of BSR's best 15" 3-way speaker systems.

THUNDER LIZARDS

BSR's salesman referred to the speakers as Thunder Lizards because the 15" acoustic suspension bass driver is so powerfully dramatic that it can literally recreate the power of an earthquake or explosion in your living room.

Unfortunately, without the brilliant and powerful exponential horn tweeter, the bass simply overwhelmed the highs and so the name Thunder Lizard was born.

But, DAK came to the rescue. We not only bought all 3500 of the speakers, we bought the exponential horn tweeters that BSR had left out and let our customers install the correct tweeter themselves. The highs and lows this system created were nothing short of awesome.

BUT, THERE'S A PROBLEM

We thought we'd have enough speakers for the rest of the year, but we sold over 3300 in just our Spring Catalogs. So, we went back to BSR and tried to buy more of the speakers. But, they only sold us the first batch at a close-out price because they had put in the wrong tweeters and didn't know what to do with them.

BSR said that luckily they didn't make mistakes very often and the only other 'problem' they had was an inventory of 6000 too many super tweak 8" midrange drivers with an exotic polypropylene cone they used for an expensive BSR tower system.

LOOK NO FURTHER

Well, to make a long story short, we got BSR to replace the plain paper 5" midrange in the Thunder Lizard Mistake with the new exotic 8" polypropylene midrange driver. And, they put the correct tweeter in for us too.

So, for exactly the same close-out price, we have 6000 speaker systems that produce a kaleidoscopic panorama of sound that is nothing sort of incredible. You're in for an earthshaking, bone jarring musical experience.

The exponential horn tweeter gives you startling dramatic highs to 20Khz. You won't just hear cymbal crashes, you will experience them. The highs are simply brilliant. Plus, a brilliance control lets you decide just how powerful you want the highs to be.

The bass, all the way down to 20hz is reproduced with thundering accuracy by



the pride of the BSR line, a 15" acoustic suspension bass driver. The lows seem to have life of their own.

You'll hear string basses emerge that you never knew were in your recordings. Just a bass drum is an experience.

And finally, the midrange from 1000hz to 4000hz is flawlessly reproduced by the newest development in high-tech speakers. Instead of using paper, polypropylene is used.

Its characteristics give incredible purity to the entire midrange. It's much more accurate than a paper midrange.

And, it's a perfect match for the dramatic thundering bass and startling highs these speaker systems produce. There's a presence control that lets you adjust the midrange level to suit your taste.

GREAT LOOKS AND GREAT SOUND

The beautifully crafted wood-grain appearance cabinet is 29" tall, 18" wide and 10½" deep. It comes with a beautiful removable real cloth speaker grill.

BSR backs this system with a 2 year limited warranty, and speaking of protection, the tweeter is fuse protected. The system can handle 180 watts peak, 90 watts continuous and requires 15 watts.

NEVER AGAIN?

BSR says that this is it. When these 6000 speakers are gone, there'll be no more. They say they have no more mistakes and no more extra speakers.

Well, we're delighted they make mistakes. And, we know once you've heard these 15" three-way speaker systems you'll be delighted too.

'THUNDER LIZARDS NO MORE'

Audiophile RISK FREE

Not for Resale

Soft listening will give you a fullness and realism of sound not possible with conventional 10" and 12" speaker systems.

And, wait till you (and your neighbors) hear the thundering realism of high volume listening with these incredibly pure audiophile speaker systems.

Normally, only the most sophisticated audiophile can afford the ultimate, a 15" 3-way system. But now, due to BSR's errors, anyone can experience the incredible realism of a truly great speaker.

If for any reason you're not 100% overwhelmed by these speaker systems, simply return them to DAK in their original boxes within 30 days for a refund.

To order your BSR top of the line 15" 3-way loudspeaker system with the exponential horn tweeter and the new 8" polypropylene midrange already installed by BSR risk free with your credit card, call toll free, or send a check not for the suggested retail price of \$199 for the system with the 5" midrange but for only \$119 each plus \$12.50 each for postage and handling. Order Number 9717. CA res add 6% sales tax.

Now, without even having to install your own tweeter, you'll experience dramatic earthshaking musical sound that's so startlingly alive, it'll send shivers through your body for years to come.



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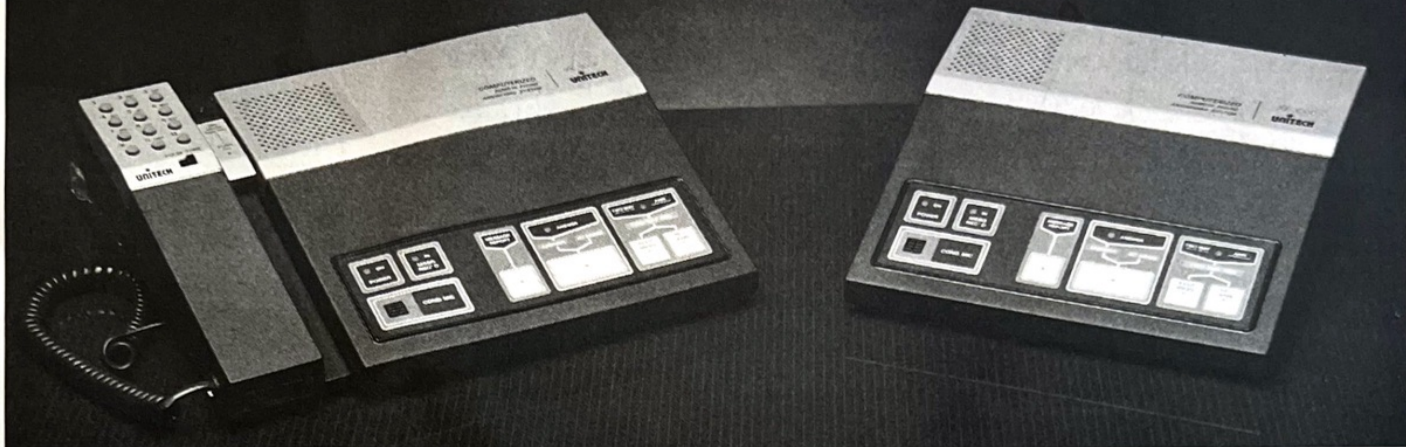
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8200 Remmet Ave., Canoga Park, CA 91304



VoicePrint Plus Answerer



Now, just the sound of your voice is all you'll need to remotely retrieve phone messages with the all new VoicePrint Plus Answering Machine. And, at DAK's \$79 price, the answering machine market will never be the same.

Forget beepers. Your own voice is your remote beeper with this incredible new breakthrough in sophisticated telephone answering computers.

And, the VoicePrint breakthrough is just the beginning. You can forget both the regular 20 second fixed announcement and 30 second fixed incoming message recording length that's standard with most answering machines.

Plus, you can forget listening to your own announcement between your incoming messages. But, best of all you can forget forgotten beepers forever.

FIRST THE SIMPLE THINGS

The new VoicePrint's computer brain lets you record any announcement up to 40 seconds in length. So, with VoicePrint, you don't have to worry about your message being too short or too long.

comes in, you can monitor the caller's message (it's called call screening) and then decide if you wish to pick up.

This machine does everything. If you're on the phone and you want to record both sides of the conversation, just touch the 2-way record button and you'll have a permanent record of the conversation.

IT SAVES YOU MONEY

When you call in to get your messages, VoicePrint's toll saver takes over. The machine tells you by not answering on the second ring that you have no messages. So, you can hang up before the connection is made.

When you're home, you can set the machine to answer on the 2nd, 4th or 6th ring to give you plenty of time to get to the phone if you desire.

If there are messages when you call

For an extra \$20, you'll have a model with a Tone/Pulse phone that gives you the convenience of on hook dialing.

On hook dialing lets you dial a number without picking up the receiver. Through the speaker in the answering machine you'll hear whether you get a busy signal, a ring or if someone answers. Then, just pick up the phone and talk.

EASY INSTALLATION

Just plug in the modular phone jack and the included AC adaptor. Then, just record your message(s) using the built-in condenser mike. The VoicePrint Plus is made by Unitech. It's backed by their standard limited warranty.

TRY THE VOICEPRINT PLUS RISK FREE

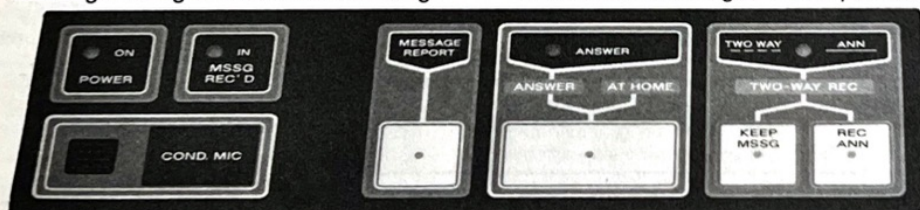
It's new. And, it will set you free. Wait till you see how easy it is to use. And, wait till you and your callers hear just how good it sounds.

Try this heavy duty industrial quality answering computer in your own home or office. If you aren't 100% satisfied, simply return it within 30 days in its original box for courteous refund.

To order your Unitech VoicePrint Remote Control Microprocessor Controlled Answering Computer, risk free with your credit card, call toll free or send your check for DAK's market breaking price of just \$79 plus \$6 for postage and handling. Order No. 4148.

If you'd like the VoicePrint Plus with a Tone/Pulse On Hook Dialing Phone, it's just \$99 plus \$7 for postage and handling. Order No. 4149. And finally, if you don't want to talk to your machine, we have a special remote beeper that works with either machine for just \$12 (\$1 P&H) Order No. 4160. CA res add 6% tax.

At home, at the office or on the road, you'll be in full control with the latest in user-friendly telephone technology.



Taking messages is automatic too. Many cheap answering machines must record a preset 30 second incoming message. The more expensive units let callers talk as long as they want.

The VoicePrint combines the best of both. The computer will stop recording as soon as the caller stops talking.

But, calls are limited by the computer to no more than 1 minute. And, if someone hangs up without leaving a message, the machine ignores the call.

LOADED

Everything is automated. Just touch one of the full logic controlled touch pads and the computer answers with a confirming beep and jumps into action.

To play back messages at home, just touch the Message Report Button. Of course, you can elect to save them or let the machine record over them.

A message light tells you at a glance if you've received any messages while you were out. If you're home when a call

in, just give the computer your personalized VoicePrint and you'll get all your messages. Plus, we've got an optional beeper for you to use if you don't want to use the 'Voice Function'.

Here's a nice extra. If your machine has taken a lot of messages and filled up its tape, a second message that you've recorded will come on and inform callers that no more messages can be taken.

NEW ELECTRONIC TECHNOLOGY

You can forget costly endless loop cassettes and long empty spaces. This machine is so intelligent it knows exactly where each message is on the tape.

This machine is fascinating to watch in action. First, it plays your outgoing message. Then, it sounds a tone as it zips to the end of the last message it took.

It then beeps and starts taking the new message. Finally, it rewinds back to your outgoing announcement to start the cycle again. It's one smart computer.

OPTIONAL SMART TELEPHONE

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POSTAGE PAID ENVELOPE IS AT CENTER OF CATALOG.

Dear Mr. Vernon,

Luckily for me, I get to use everything in this catalog all the time. (Like I've said before, I have a great job.) But, if I could only have one item, I'd be really hard pressed to choose between the Smart Sound Detonator and The Computer Yellow Pages.....Drew

IMPORTANT INFORMATION

1) Shipping—Whenever possible we will ship your order via UPS. Please try to give us a street address rather than a P.O. Box.

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Dual Donzel Plus

High Speed dubbing of tapes is the simplest thing this dual cassette deck with Dolby B and C can do.

The robots are coming. In the future they'll think, they'll react, and they'll need very little human attention.

After you've experienced the magic of Hitachi's new Dual Donzel Plus Cassette Deck, you'll realize just how close we really are to being donzels to our robots.

MESMERIZED

Frankly, once you've programmed this deck, it really doesn't need you. But if you're anything like me, you'll sit glued to your seat as the performance begins.

Imagine that you want to copy a tape. But wait, that's too simple. Let's say that you want to copy just songs 2, 6, 8 and 9. Well, that's still too simple.

Let's say that song 8 is your favorite and you want it first on your copy tape. Then you would like songs 6, 2, 9 and then you want to record 8 again.

By now the picture should be clear. This deck will play any songs in any order you want. In fact, it will play 15 repeated or different selections automatically.

But, that's not all. While the songs are being played back, the record deck is automatically recording each song.

Then it adds 4 seconds of silence, and stops while the play deck fast forwards or rewinds to reach the next selection. Then they both start up again together.

You'll watch transfixed. The decks start, stop, rewind, and play over and over again. And, when you aren't copying tapes, you can have two cassettes play sequentially; first one, then the other, up to 8 times each.

You'll have uninterrupted music for hours without having to get up and change cassettes. Plus, if you're listening to a

song you'd like to hear again, DPSS lets the deck find the beginning of the song for you automatically.

Or, you can jump forward automatically to the next song if you prefer. Of course, you can program any song or songs to play over and over again.

BUT, WHAT ABOUT THE DECKS

Mechanically they're fully logic controlled. 4 motors drive these decks for super stability. The two capstan motors are DC servo-controlled for super low flutter and wow. Separate motors drive the take up and unwind reels.

Hard SL permalloy record and play heads and a 3 gap ferrite erase head give long life, a great frequency response and metal compatibility. And, both decks automatically sense Normal CrO₂ or Metal tape.

A wide frequency response from 20hz to 18,000hz will ensure perfect copies or original recordings. You can say goodbye to hiss with both Dolby B and C.

The signal to noise without Dolby is an impressive 58db. Switch in Dolby B, and it drops to 66db. Switch in Dolby C and you'll hear (or rather not hear) a hiss free 72db signal to noise ratio.

SOUND ON SOUND PLUS

If you sing, this is the deck for you. Here's what you do. You can play a music tape on deck 1, plug in a microphone and sing along while you record everything on deck 2.

You can record your own voice on a cassette. Then, play it back while you sing along. You can be a duet, then a trio, a quartet, and finally, a chorus.

ALL THIS AND HIGH SPEED TOO

Just push the high speed button and all the automated features of this deck switch into high gear. You can copy your tapes at high speed in any order you wish.

The fidelity is super. You'll save time. You'll have cassettes recorded with songs the way you want them. This deck is an impressive addition in sound quality, performance and good looks, to the most sophisticated stereo system.

It is 17" wide, 4" tall and 10½" deep. Hitachi backs it with a limited warranty.

TRY THE DUAL DONZEL PLUS RISK FREE

Make some original recordings or copy some cassettes. You'll hear sound so pure you'll think that you're hearing the original. The great frequency response and the quietness of Dolby C are breathtaking.

Then put the computer controlled deck through its paces. I find watching the decks stop, start, rewind, fast forward and play by themselves just incredible.

If you aren't 100% satisfied, simply return it in its original box within 30 days for a courteous refund.

To order your Dual Donzel Hitachi D-W800 High Speed Dubbing, Computer Programmable Dual Cassette Deck risk free with your credit card, call toll free, or send your check for just \$249 Wow! (\$7 P&H). Order No. 4310.

If you've already looked in your dictionary and haven't figured out the meaning of the word 'donzel', it's an obsolete word that means, 'a young squire to a knight'. So, whether you're young or not, you'll certainly be the squire to the Sir Lancelot of cassette decks.

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dbx has a problem. Their NX40 tape noise reduction system can give your cassette deck a signal to noise ratio of up to 85db. And even more important, an astounding dynamic range of up to 90db.

Using dbx is just about the only way to capture the brilliance of CD disks on cassette. And there-in lies the problem. dbx also made audiophile records that were very close to the specs of the CDs. But frankly, CDs are sweeping the market.

Enter DAK. If you look at the tape noise reduction system to the right, you'll notice that it **ALSO** has a dbx disc (LP) decoder button. And, since dbx isn't going to make any more LPs, they don't want to sell this tape unit with the disc button.

So, DAK bought 8000 of these incredible noise reduction units and we bought enough dbx encoded LPs to give you 2 bonus LPs with each noise reduction unit. Wow, the NX40 for \$59.90 including 2 dbx LP albums of assorted music. (The dbx albums sold for about \$12 each.)



These albums will give you a preview of the sound you can expect from a CD before you buy one for your system. And the LPs will give you a use for the otherwise useless disc button. But, wait till you hear the cassettes you will make on your own recorder when you record with dbx. The NX40 and 2 assorted dbx encoded LPs, are yours for just **\$59.90** (\$4 P&H) Order No. 4285. Wow!

HERE'S HOW OUR AD APPEARED

Don't make your music loud, make it thunder. Don't make it just soft, make it whisper. dbx brings the excitement and emotional impact of a live performance to your stereo system.

dbx is a two-part system. Not only does it "for all audible intents and purposes eliminate tape hiss", it also increases the overall dynamic-range capacity of your cassette deck, letting you record both louder and softer sounds.

Dynamic range is the difference in volume between the softest and the loudest passages in your music, and it's the



key ingredient in the drama and impact of live music.

FANCY NAMES

It's called Linear Decibel Companding. And basically, it compresses the dynamic range as the music signal is transferred onto tape or disc by a 2 to 1 ratio. And, it does the same thing in reverse when a tape is played back.

So, you'll get full unrestrained unrestricted sound, because your tape isn't being pushed to its limits. Only half the normal signal strength is recorded.

And with dbx discs, where the record groove could only handle up to 65db of dynamic-range for audiophile records, and 50-55db for standard records, now both tape and records can achieve up to 90db of dynamic range for an absolutely thrilling sound.

So, for recording your own audiophile quality cassettes or playing back dbx discs or cassettes, your system can now produce incredibly dramatic sound.

BUT, IT'S A HISS REDUCER

The dbx system gives you over 30db noise-reduction over the whole 30-15,000hz audible frequency spectrum, not just at the mid to high end like the competition. The difference in the hiss you won't hear is dramatic. And, it's easy to test. Just compare a cassette you record with 'their' system to the same tape recorded with dbx.

It's no wonder that dbx tape noise-reduction systems are used in about 80% of the professional recording studios

around the world. It really works.

SO, HERE IT IS

The new dbx NX-40 will assassinate tape hiss as you record and play tapes. It will let you achieve live performance quality, and dynamic realism.

And, best of all, you don't have to buy a new cassette deck to use it. It simply plugs into your system between your receiver and your tape deck (after an equalizer, if you have one).



And, it will start giving you incredibly dramatic sound against a background of complete silence. It comes complete with patch cords and a standard limited warranty from dbx.

TRY THE HISS ASSASSIN RISK FREE

Yes, it's a hiss assassin. And yes, you'll have more dynamic range. So, bring dramatic, hiss free sound to your stereo risk free. If you aren't 100% satisfied, simply return it in its original box within 30 days for a courteous refund.

To order your dbx Noise Reduction System risk free with your credit card, call toll free or send your check for only ~~\$99 (\$4 P&H)~~ Order No. 9747.

Now your own tape deck can give you hiss free, dramatically dynamic sound.

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